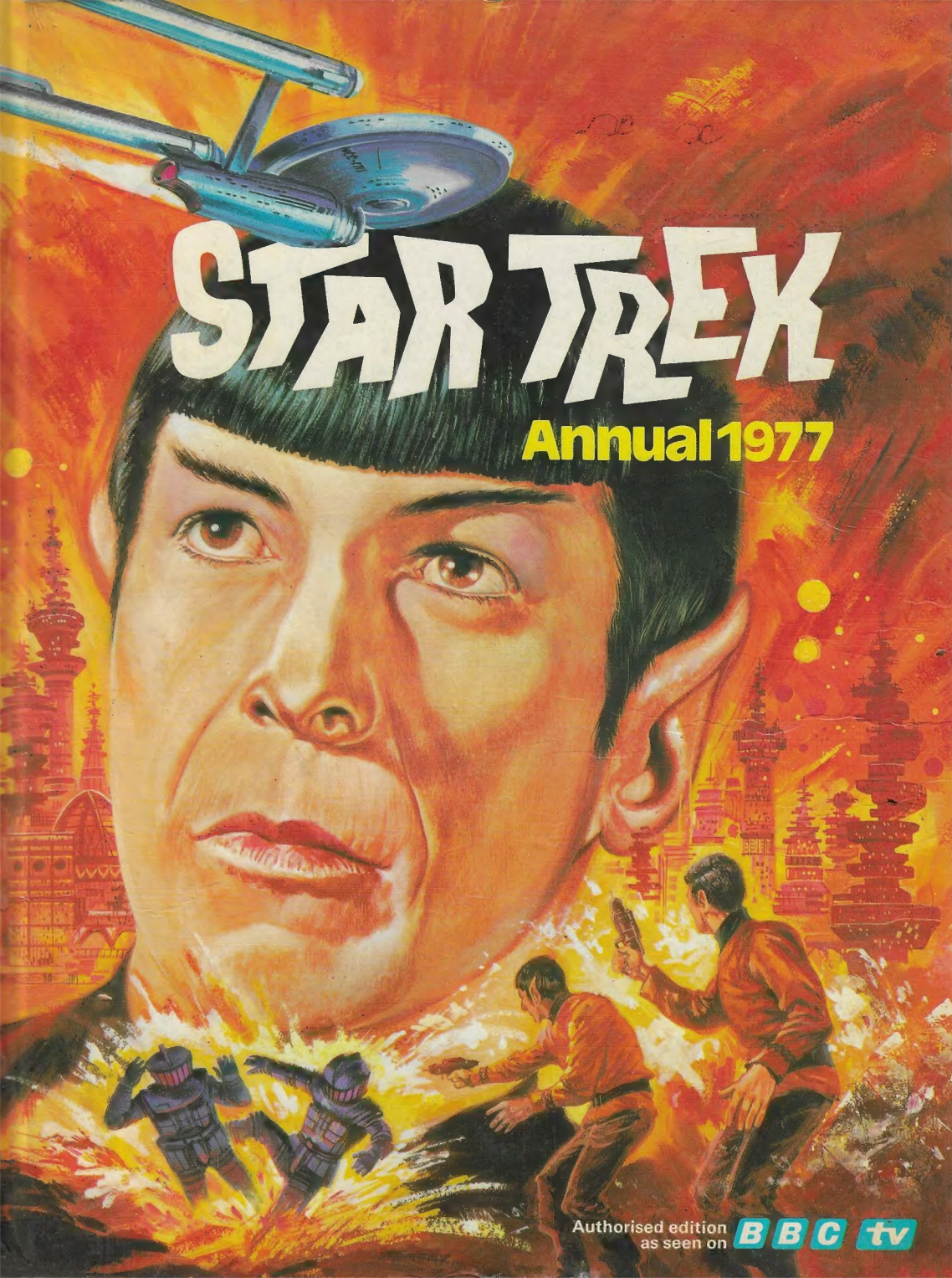

STAR TREK
Annual 1977
Authorised edition
as seen on BBC tv

STAR TREK
ANNUAL 1977
£1·25

contents

Picture Stories

Sceptre of the Sun (Part 1) 5
Sceptre of the Sun (Part 2) 21
The Psychocrystals (Part 1) 51
The Psychocrystals (Part 2) 66

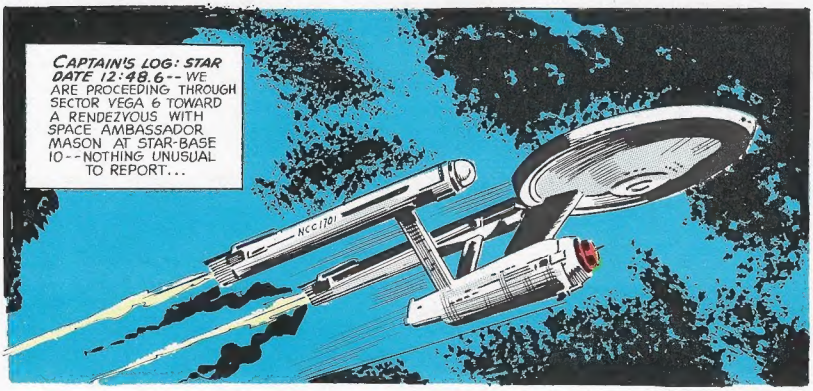
Features

Star Trek People 18
Space Quiz 19
All Very Logical 20
Star Trek Riddle-Me-Ree 33
In the Sky 34
Words of Space 36
A Space Nightmare! 37
Sky High Humour! 38
The Tunnel of Death 40
Star Facts 42
The Sky's the Limit! 43
Who Was First? 44
Which Planet? 45
McCoy's Meteorites 46
What's the Weather Like up There? ... 48
Sulu's Double U Word Quiz 49
Calling Captain Kirk 50
Space and Spacemen Spell Spock ... 64
The Universe As You Won't See It! ... 65

Copyright © MCMLXXI, MCMLXXV, MCMLXXVI by Paramount Pictures Corporation. All rights reserved throughout the world, including the right of reproduction in whole or in part in any form.

Published in Great Britain by World Distributors (Manchester) Limited, P.O. Box 111, 12 Lever Street, Manchester, M60 1TS, by arrangement with Western Publishing Company, Inc., Racine, Wisconsin, U.S.A. Printed in Great Britain by Jarrold & Son Ltd., Norwich. SBN 7235 0361 3

STAR TREK
PART I
SCEPTRE OF THE SUN
JIM, THE PHASERS HAVE NO EFFECT ON THESE THINGS!
KEEP FIRING, BONES--IF WE DON'T STOP THE ROCK GIANTS, THE ENTERPRISE IS DOOMED!
SORCERY--BLACK MAGIC--MYSTIC FORCES FROM A TIME LONG DEAD--WHAT WILL HAPPEN WHEN CAPTAIN JAMES T. KIRK AND THE CREW OF THE ULTRA-SCIENTIFIC STAR-SHIP, ENTERPRISE, COME TO GRIPS WITH THESE FORCES...WHILE THE FATE OF THE ENTERPRISE --AND AN ENTIRE PLANET HANG IN THE BALANCE?
10210-105
STAR TREK™10-71¢


CAPTAIN'S LOG: STAR DATE 12:48.6--WE ARE PROCEEDING THROUGH SECTOR VEGA 6 TOWARD A RENDEZVOUS WITH SPACE AMBASSADOR MASON AT STAR-BASE 10--NOTHING UNUSUAL TO REPORT...
NCC 170

MR. SPOCK, HOW ARE WE...
CAPTAIN--THERE'S SOMETHING ON THE VIEWSCREEN!

WHAT IS IT, MR. SULU?
I'M NOT SURE, CAPTAIN--SOME NEBULOUS MASS, I THINK...AND IT'S HEADING THIS WAY!

WAIT--IT'S TAKING FORM! IT'S...
IT'S NOT POSSIBLE! BRACE YOURSELVES, EVERYONE! WE'RE GOING TO...

THE GREAT SHIP SHUDDERS LIKE A THING POSSESSED AND THEN HANGS SUSPENDED IN SPACE...

A GENIE!! WE'VE BEEN CAUGHT BY AN HONEST-TO-SPACE GENIE!
...SUSPENDED IN THE GHOSTLY HANDS OF...
IMPOSSIBLE! MY SENSORS INDICATE NOTHING OUT THERE! WHAT YOU SEE IS AN ILLUSION! MERELY...
BUT SPOCK'S SENTENCE GOES UNFINISHED, FOR SUDDENLY...
W-WHAT'S HAPPENING?
THOSE CLOUDS OF SMOKE! THEY'RE...
SECONDS LATER...
THE CAPTAIN--MR. SPOCK --DR. McCOY AND MR. SCOTT... TH-THEY'RE GONE!!

THE WIND WHISTLES ENDLESSLY THROUGH THE MUSTY CORRIDORS OF THE OLD CASTLE AS FOUR FURIOUS FIGURES MATERIALIZE FROM THE CLOUDS OF SMOKE THAT FILL THE CENTER OF THE ORNATE HALL...
WELCOME, CAPTAIN KIRK--GENTLEMEN! I TRUST YOU HAVEN'T FOUND THE TRIP *TOO* UNPLEASANT!
WHO ARE YOU? *HOW* HAVE YOU *BROUGHT* US HERE?

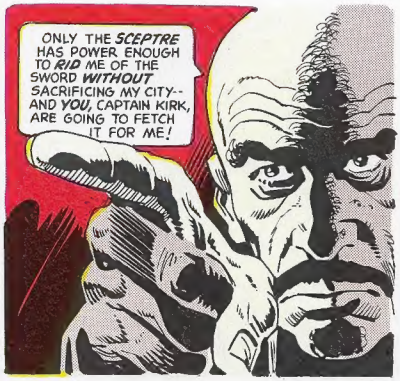
THROUGH *SORCERY*, NATURALLY! A SOMEWHAT MORE SUBTLE ART THAN YOUR SCIENCE, YOU'LL FIND!

AND AS FOR MY NAME-- *CHANG* WILL DO!

I DON'A CARE IF YE R NAME'S CHANG OR ME GREAT AUNT TILLIE, I'M GONNA...
...DO NOTHING, MR. SCOTT! FREEZE!
WHA...? I-I CANNA MOVE!
THAT'S ENOUGH, CHANG! WE'RE SUFFICIENTLY IMPRESSED! NOW I DEMAND YOU RELEASE MR. SCOTT AND THE REST OF US --IMMEDIATELY!
I'M AFRAID, CAPTAIN, THAT YOU ARE IN NO POSITION TO DEMAND ANYTHING!
BUT I, ON THE OTHER HAND, HAVE MUCH TO DEMAND OF YOU!

AT THE FOOT OF A MOUNTAIN MANY MILES FROM HERE, THERE LIES THE FABLED SCEPTRE OF THE SUN, A MYSTIC DEVICE POSSESSING POWERS UNMATCHED ANYWHERE IN THE UNIVERSE!
MANY OF MY MOST CAPABLE WARRIORS HAVE GONE IN SEARCH OF THE SCEPTRE--NONE EVER HAVE RETURNED! THE MANY PERILS THAT LINE THAT DARK PATH HAVE SEEN TO THAT!
BUT WHY IS THE SCEPTRE SO IMPORTANT TO YOU?
WHY, DOCTOR?—WAR, THAT'S WHY!... A WAR THAT HAS RAVAGED MY LAND FOR MANY YEARS...
...A WAR I AM LOSING DUE TO THE MACHINATIONS OF A SORCERER NAMED XANDU!...AND THAT IS WHY I SUMMONED YOU HERE!
MY PEOPLE AND I HAVE BECOME VIRTUAL PRISONERS--LIVING UNDER THE THREAT--THE SHADOW OF IMPENDING DOOM! COME, GENTLEMEN--OBSERVE THE RESULT OF XANDU'S SPELL...

BEHOLD THE SWORD IN THE SKY!
SUFFERING STARS-- A GREAT FLAMING SWORD HANGING SUSPENDED OVER THE CITY!
YES, A MYSTIC WEAPON THAT RENDERS ME HELPLESS! FOR IF I MAKE THE SLIGHTEST AGGRESSIVE MOVE, XANDU WILL DROP THE SWORD-- AND TOTALLY DESTROY MY CITY!


ONLY THE SCEPTRE HAS POWER ENOUGH TO RID ME OF THE SWORD WITHOUT SACRIFICING MY CITY-- AND YOU, CAPTAIN KIRK, ARE GOING TO FETCH IT FOR ME!

BUT THIS IS TOTALLY ILLOGICAL! WHY WOULD YOU REQUIRE OUR SERVICES WHEN YOUR POWER SO DWARFS OUR OWN?
LET US JUST SAY I HAVE MY REASONS, MR. SPOCK, AND LET IT GO AT THAT!

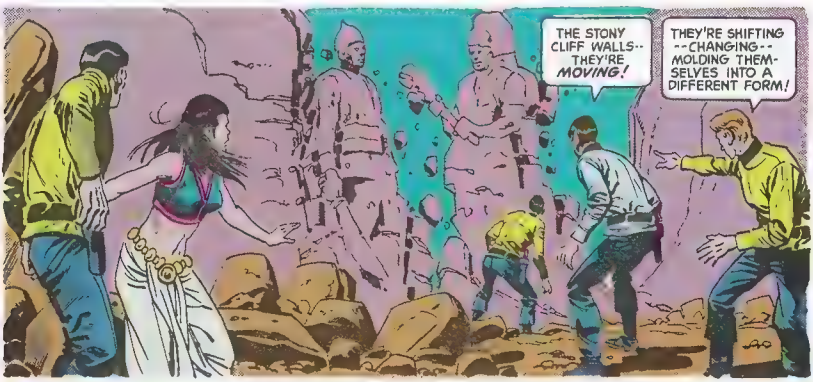
I WON'T LEAVE IT AT THAT, CHANG! JUST WHAT MAKES YOU THINK YOU CAN MANIPULATE HUMAN BEINGS AS IF THEY WERE PUPPETS--AND GET AWAY WITH IT?
BUT, CAPTAIN, YOU MISUNDERSTAND ME! YOU DON'T HAVE TO COMPLY WITH MY WISHES!..OF COURSE, IF YOU REFUSE, MY GENIE WILL REDUCE THE ENTERPRISE TO SO MUCH SPACE RUBBISH!
YOU REALLY MEAN IT, DON'T YOU? YOU'D DESTROY 400 PEOPLE JUST TO PROVE YOUR POINT! I OUGHT TO...
EASY, BONES--I'M AFRAID WE HAVE NO CHOICE!.. ALL RIGHT, CHANG, WE'LL GO FOR YOUR "MAGIC WAND"!
I ONLY HOPE WE DON'A LIVE TA REGRET IT!
SPLENDID, I KNEW YOU'D SEE THINGS MY WAY!...MEET MARLA--SHE SHALL SERVE AS GUIDE ON YOUR JOURNEY TO THE MOUNTAINS! GOOD LUCK!
...AND IF ANYTHING HAPPENS TO THE ENTERPRISE IN THE INTERIM, THE WHOLE UNIVERSE WILL BE TOO SMALL TO HIDE YOU!
"LUCK" DOES NOT ENTER INTO THIS! WE SHALL RETURN WITH YOUR SCEPTRE...

A WARM, MUSTY BREEZE DRIFTS DOWN THE ROCKY CANYON--A SIREN CALL LEADING FIVE WEARY TRAVELERS TOWARD THE HIDDEN SANCTUARY OF THE SCEPTRE OF THE SUN...
HOW MUCH FARTHER TO THE SCEPTRE, MARLA?
WE'VE MILES YET TO GO, JAMES KIRK! ONE TREADS SOFTLY ON THIS GRIM PATH!

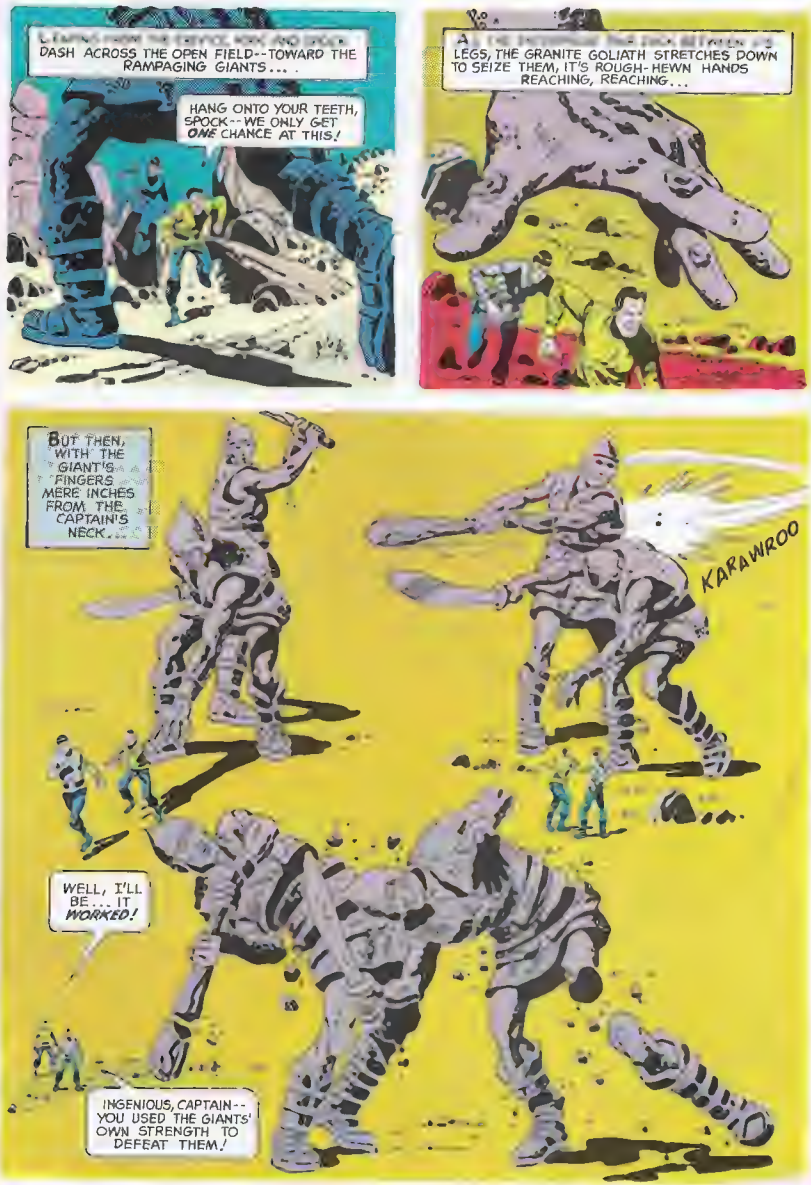
"GRIM PATH," MY EYE! I HAVEN'T SEEN ANYTHING ON THIS TRIP DANGEROUS ENOUGH TO HARM A SPACE GNAT! WE'RE. .
NO BONES--MARLA IS RIGHT! THERE'S A FEELING--SOMETHING IN THE AIR--DO YOU SENSE IT, MR SPOCK?

I "SENSE" NOTHING, CAPTAIN--BUT I WILL ADMIT THAT THINGS ARE UNCOMMONLY STILL IN THIS AREA--ALMOST TOO QUIET!

THAT CLINCHES IT! LET'S GET OUT OF HERE WHILE WE'VE GOT THE CHANCE!
WE'RE TOO LATE, CAP'N--LOOK!!


THE STONY CLIFF WALLS--THEY'RE MOVING!
THEY'RE SHIFTING--CHANGING--MOLDING THEMSELVES INTO A DIFFERENT FORM!

IT CAN'T BE! IT'S NOT POSSIBLE!
DR. McCOY, ON THIS WORLD, ANYTHING IS POSSIBLE! THOSE ARE INDEED ROCK GIANTS!
LESS TALK AND MORE ACTION, MR. SPOCK! LET'S MOVE IT!
THE BOLD ADVENTURERS RACE ACROSS THE ROCKY TERRAIN AS A GREAT, GRANITE BATTLE MACE FALLS FROM A SHADOWED SKY, SHATTERING THE EARTH WITH ITS IMPACT...
QUICK--HEAD FOR THE CLIFF WALL! WE MIGHT FIND SHELTER THERE!
JUST MISSED US!
THE QUINTET QUICKLY SCALES THE GRANITE FACADE--CLAMBERING INTO A SMALL CREVICE JUST BEYOND THE GIANTS' REACH...
IT'S NO GOOD, JIM--OUR PHASERS DON'T HAVE ANY EFFECT ON THE THINGS!
WE CANNA JUST SIT HERE AND WAIT FOR THEM TO SMASH DOWN THE WALL!
AND WE WON'T... SPOCK, FOLLOW ME--I'VE GOT AN IDEA--ONE THAT COULD COST US OUR LIVES!


DASH ACROSS THE OPEN FIELD--TOWARD THE RAMPAGING GIANTS...
HANG ONTO YOUR TEETH, SPOCK--WE ONLY GET ONE CHANCE AT THIS!
LEGS, THE GRANITE GOLIATH STRETCHES DOWN TO SEIZE THEM, IT'S ROUGH-HEWN HANDS REACHING, REACHING...
BUT THEN, WITH THE GIANT'S FINGERS MERE INCHES FROM THE CAPTAIN'S NECK...
KARAWROO
WELL, I'LL BE... IT WORKED!
INGENIOUS, CAPTAIN--YOU USED THE GIANTS' OWN STRENGTH TO DEFEAT THEM!

MOMENTS LATER...
I CANNA BELIEVE IT, CAP'N! YE DESTROYED THEM BOTH WI'OUT EVER LAYING A FINGER ON THEM!
GENTLEMEN, I SUGGEST WE DISCUSS THIS AT A LATER DATE --LET'S MOVE!

THE FIVE WEARY WAYFARERS TREK ONWARD THROUGH THE DANGEROUS, FORBODING CANYON UNTIL...
IT IS GETTING DARK, JAMES KIRK--I SUGGEST WE STOP AND MAKE CAMP! 'TWOULD BE SUICIDE TO TRAVEL THIS TRAIL AT NIGHT!

AND A SHORT WHILE LATER, NEAR THE WARMTH OF A ROARING FIRE...
TELL ME, MARLA--HOW MUCH DO YOU KNOW OF CHANG? WHERE DOES HE COME FROM? HOW DOES HE GET HIS POWERS?
PLEASE, JAMES KIRK--THE AIR HAS EARS! THERE IS MUCH ABOUT CHANG WE HAVE NOT LEARNED!

HE CAME AMONGST US UNAWARES--DOWN FROM THE DARK MOUNTAINS TO THE NORTH! WE HAD BEEN A QUIET, PEACEFUL PEOPLE --BUT CHANG CHANGED ALL THAT!

HIS VAST MYSTIC POWERS TWISTED US--BENT US TO HIS WILL! IN A SHORT WHILE, HE HAD MADE HIMSELF OUR KING--AND THERE WAS NOBODY STRONG ENOUGH TO STOP HIM!

THAT'S NOT PROMISING! BUT CHANG MUST HAVE SOME WEAK POINT--SOME CRACK IN HIS...WHAT??
DEFEND YOURSELVES! WE ARE UNDER ATTACK!
SNAPPING TO THEIR FEET, THE ENTERPRISE BAND LEAPS INTO THE FRAY...
JIM, WATCH YOUR BACK!
THANKS, BONES--THAT'S ONE I OWE YOU!
FOR SEVERAL MINUTES, THE UNEVEN STRUGGLE RAGES BACK AND FORTH UNTIL...
I CANNA HOLD ME GROUND!
WE'RE GREATLY OUTNUMBERED!
CAPTAIN, WE...
ALL RIGHT--ALL OF YOU...STOP WHERE YOU ARE...
OR YOUR CAPTAIN DIES!!!
END PART I

STAR TREK PEOPLE

Can you name these members of the crew of the *Enterprise?*

1.
When I'm aboard the *Enterprise*
Responsibility I never shirk,
The crew obey my orders well,
My name is Captain _ _ _____

2.
I help the Captain and his human crew,
Though my ears they sometimes mock,
But emotions are for human folk,
I reason, my name is_____

3.
My 'practice' is the enterprise,
The Captain and his crew,
Usually on every space voyage
Comes the cry "_____, where are you?"

4.
I'm a lieutenant in the *Enterprise*,
And I go on space missions too,
Dark haired, I am a woman,
My name Lieutenant_ _ ___.

ANSWERS

1 James Kirk 2 Mr Spock 3 Dr McCoy 4 Lt Uhura

SPACE QUIZ

1
Where would you find the largest telescope in the world?

2
The radio telescope at Jodrell Bank, Cheshire, is truly a metal giant, and the sharpest hearing device in the world. Do you know how high it is? And what is the diameter of its parabolic mirror?

3
Does the moon have any light of its own?

4
The sun is only an average-sized star, but it is huge compared to the earth. How many earths would it take to make up a sun?

5
What was the name of the Apollo Lunar Module that landed on the surface of the moon in July 1969?

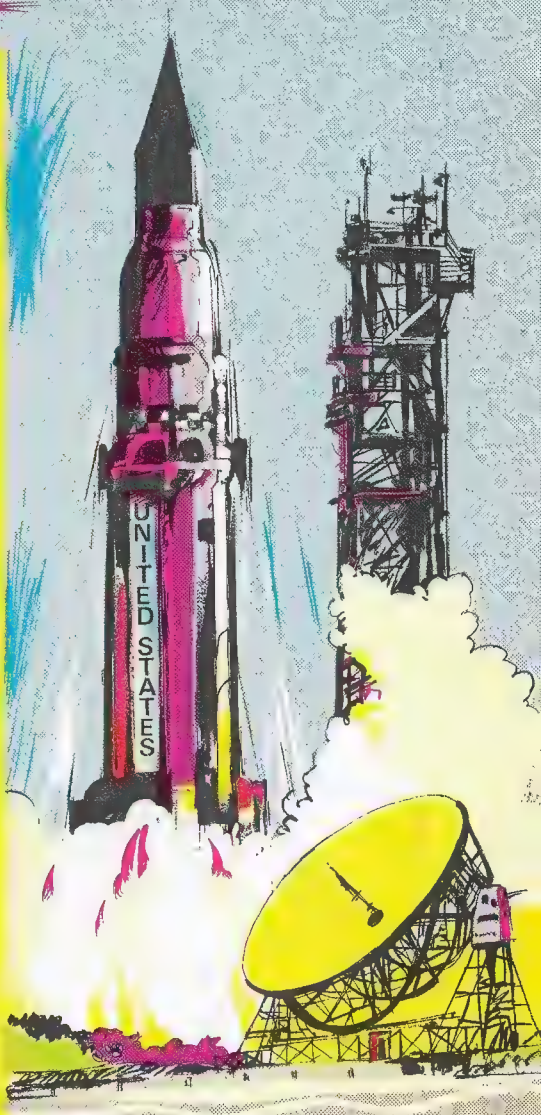
6
A rocket works on the principle of re-action. Can you explain more fully what this means?

7
Journeys to the moon involve distances hundreds of times greater than those experienced on earth. But an expedition to Mars involves distances thousands of times greater. If the Earth-Moon journey takes from two to three days, roughly how long would a trip to Mars take?

8
Which famous rocket aircraft was the first plane to fly faster than sound?

9
In order to track her satellites and manned spacecraft, America has established a world-wide network of ground stations, the network including both fixed ground stations and ships. What is the name of the nerve centre of the network, and where is it?

10
What is a Cosmodrome?



ANSWERS

1 At the Mount Palomar Observatory, in California. The telescope is 200 inches in diameter, and with it nebulae can be seen 500 million light-years away. 2 300 feet high; the mirror is 250 feet in diameter. 3 No. The moon's glow comes from the sun's light shining on it. 4 A million earths. 5 *Eagle*. 6 The action of the rocket exhaust streaming rearwards produces a reaction in the opposite direction, thus thrusting the rocket forward. 7 About 270 days. 8 The Bell X - 1. 9 The Goddard Space Flight Centre, near Washington. 10 The Russian term for a launching site.

ALL VERY LOGICAL

Mr Spock could hardly be accused of being a fanciful person, but in spite of that, he has agreed to devise some puzzles for you. As you might expect, they are all concerned with the logical progression of numbers and letters of the alphabet, and all you have to do is fill in the appropriate ones.

1) 1 4 9 16 25 ? ?

2) 10 6 12 4 14 2 ? ?

3) Given the first sequence, complete the other two:

15 10 50 55 11

8 4 16 ? ?

12 9 27 ? ?

4)

9	8	?
?	1	6
3	?	5

5)

ANSWERS

1) 36 49. 2) 16 0. 3) 20 5. 30 10. 4) a) 7 b) 4 c) 2. 5) J 14.

STAR TREK
PART II
SCEPTRE OF THE SUN
CAPTAIN'S LOG: STAR DATE 12:48.9-- OFFICERS SPOCK, SCOTT, McCOY AND I HAVE BEEN MYSTERIOUSLY TRANSPORTED TO A PLANET STILL IN ITS DARK AGES TO DO THE BIDDING OF THE BLACK WIZARD CALLED CHANG! WHILE SEEKING THE SECRET SANCTUARY OF THE MYSTICAL SCEPTRE OF THE SUN, WE HAVE BEEN ATTACKED AND OVERPOWERED BY A BAND OF BARBARIANS WHO HAVE THREATENED US WITH SURRENDER OR DEATH...
ALL RIGHT, WHOEVER YOU ARE, YOU WIN--- WE GIVE UP!
MY APOLOGIES FOR THE VIOLENCE, CAPTAIN, BUT WE HAD NO TIME FOR FORMALITIES!
I AM CALLED BRAND! MY PEOPLE AND I HAVE NEED OF YOUR HELP!
WELL, YOU SURE HAVE A STRANGE WAY OF SHOWING IT!
NO, I SWEAR-- IT'S TRUE! WE...
OR PERHAPS I SHOULD START AT THE BEGINNING!

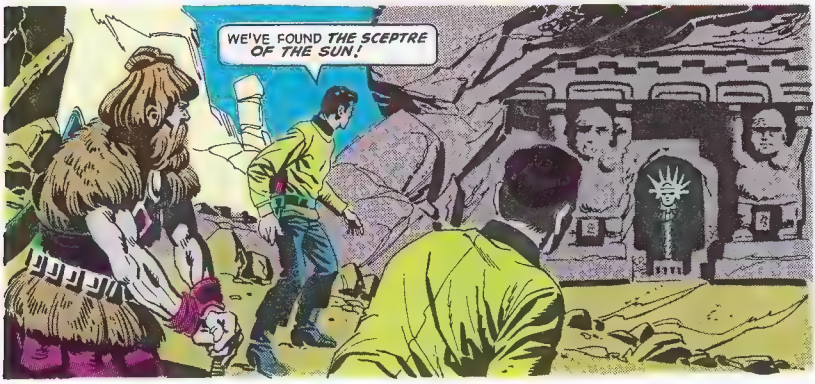
YOU SEE--MY FOLLOWERS, MYSELF, AND HE WHO IS CALLED CHANG---- ARE FROM THE PLANET EARTH!... BUT NOT YOUR EARTH!
WE COME FROM THE YEAR 1997!
"THE GREAT EUGENICS WAR WAS RAGING ACROSS THE FACE OF THE WORLD AT THAT TIME AND WE WERE PART OF A SMALL PEACE MOVEMENT THAT TRIED TO STEM THE DESTRUCTIVE TIDE..."
PEACE
"FINALLY, RESIGNED TO DEFEAT, WE CONSTRUCTED A GREAT SPACESHIP AND FLED EARTH IN SEARCH OF A PEACEFUL WORLD! FOR MANY YEARS, WE DRIFTED THROUGH SPACE IN SUSPENDED ANIMATION..."
"UNTIL OUR ROBOT SENSORS DISCOVERED THIS PLANET, A QUIET, PEACEFUL WORLD STILL IN ITS INDUSTRIAL INFANCY..."
"UPON REVIVING, WE LANDED IN A SECLUDED SPOT AND BEGAN DISMANTLING OUR ROCKET--- FOR THIS WORLD WAS TO BE OUR HOME FROM NOW ON..."
077

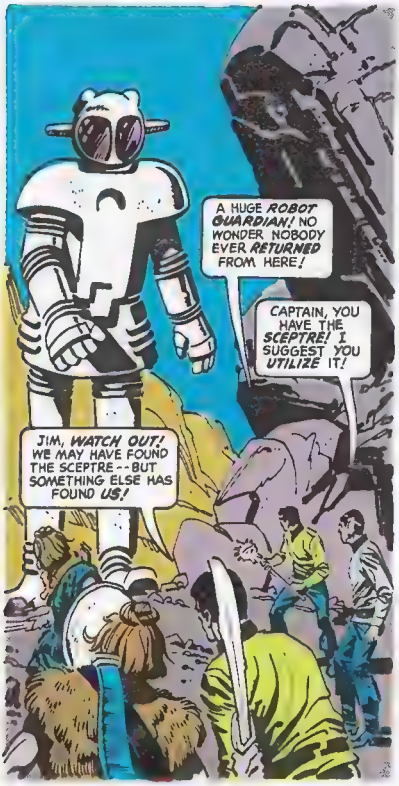
"IT WAS EASY FOR US TO MINGLE WITH THE SIMPLE PEOPLE WE DISCOVERED HERE--LIFE WAS PERFECT--ALL ANYONE COULD HOPE FOR..ANYONE, THAT IS SAVE CHANG..."
I AM BORED! SOMEWHERE ON THIS WORLD, THERE MUST BE ADVENTURE TO BE FOUND! ...AND PERHAPS THERE, BEYOND THE MOUNTAINS, I SHALL FIND IT!
"AND SO, CHANG PASSED FROM OUR MIDST AND WE THOUGHT HIM GONE, UNTIL ONE DAY, SEVERAL MONTHS LATER..."
LOOK! THERE--IN THE CENTER OF TOWN... CHANG HAS RETURNED!
"AND CHANG HAD RETURNED IN STYLE..."
FASTER, YOU WITLESS FOOLS, FASTER--OR YOUR LIVES ARE FORFEIT!
"BUT THIS WAS NOT THE SAME CHANG--FOR SOMETHING HAD HAPPENED TO HIM ON HIS TRIP THROUGH THE MOUNTAINS--SOMETHING STRANGE...SINISTER..."
THAT'S RIGHT, YOU SPINELESS LACKIES--BOW AND SCRAPE BEFORE ME AS BEFITS YOUR STATION!
W-WE CAN'T RESIST! SOME OCCULT POWER IS FORCING US TO OBEY!
...AND THAT'S THE WAY ITS BEEN! NONE OF US HAS HAD STRENGTH ENOUGH TO DEFY CHANG--UNTIL NOW!
YOU SEE--ONE OF CHANG'S GUARDS SPIES FOR US! HE TOLD OF YOUR QUEST FOR THE SCEPTRE!

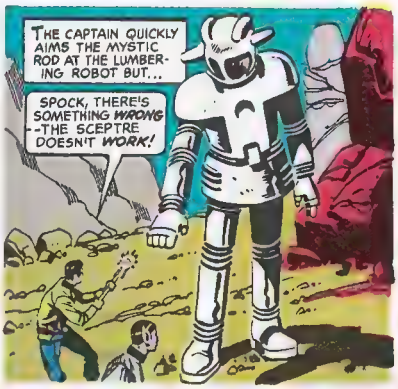
SO WE'RE COMING WITH YOU! WITH THE POWER OF THAT SCEPTRE IN OUR HANDS, WE'LL BE ABLE TO OVERTHROW CHANG AND RESTORE PEACE TO OUR WORLD!
AND WHAT IF WE SAY NO?
I DON'T THINK WE CAN SAY NO, BONES--BRAND HAS US OUT-NUMBERED! HE'LL COME WHETHER WE AGREE OR NOT, SO WE MAY AS WELL MAKE THEM WELCOME!

MILE AFTER EMPTY MILE PASSES BENEATH THE BAND'S FEET UNTIL FINALLY...
HAVE WE MUCH FARTHER TO GO, MARLA?
NO, JAMES KIRK--ACCORDING TO CHANG'S INSTRUCTIONS, WE ARE ALMOST THERE!

AND MERE MOMENTS LATER, AS KIRK AND THE OTHERS ROUND A BEND...
CAP'N, LOOK--STRAIGHT AHEAD--IN THE SHADOWS...
I SEE IT, SCOTTY!
..WELL, BRAND, THERE IT IS--THE ANSWER TO YOUR PROBLEMS...

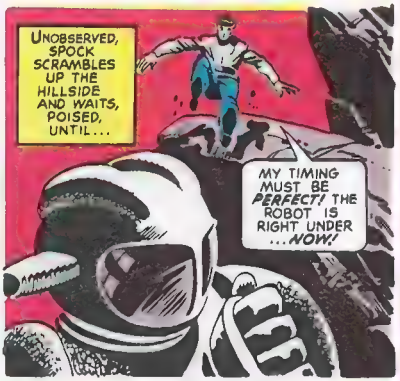

WE'VE FOUND THE SCEPTRE OF THE SUN!


A HUGE ROBOT GUARDIAN! NO WONDER NOBODY EVER RETURNED FROM HERE!
CAPTAIN, YOU HAVE THE SCEPTRE! I SUGGEST YOU UTILIZE IT!
JIM, WATCH OUT! WE MAY HAVE FOUND THE SCEPTRE--BUT SOMETHING ELSE HAS FOUND US!


THE CAPTAIN QUICKLY AIMS THE MYSTIC ROD AT THE LUMBERING ROBOT BUT...
SPOCK, THERE'S SOMETHING WRONG--THE SCEPTRE DOESN'T WORK!

I HAD FEARED THAT! QUICKLY, CAPTAIN--YOU AND THE OTHERS DISTRACT THAT MECHANOID'S ATTENTION MOMENTARILY! I'VE DEVISED A PLAN THAT REQUIRES MY COMPLETE FREEDOM!

AND MOMENTS LATER...
NYAHH! NYAHH! YOUR MOTHER WORE AN ASTEROID WIG!
AN' YE'RE FATHER FLEW A SPACE SCOW!
KEEP IT UP! IT'S WORKING! THE ROBOT IS FOLLOWING US! SPOCK'S GOT HIS CHANCE!

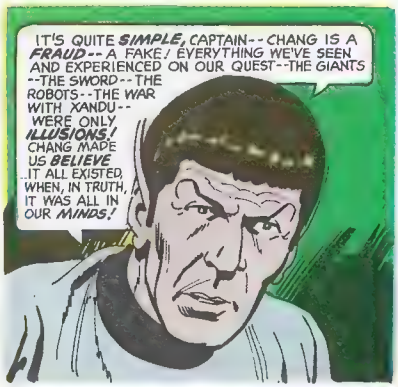

UNOBSERVED, SPOCK SCRAMBLES UP THE HILLSIDE AND WAITS, POISED, UNTIL...
MY TIMING MUST BE PERFECT! THE ROBOT IS RIGHT UNDER ...NOW!

THE VULCAN SCIENCE OFFICER HURLS THE SHORT SPAN AND...
PHASE ONE COMPLETED! NOW I MUST RIP OUT THE CORRECT WIRES BEFORE THE ROBOT SWATS ME OFF ITS BACK...
VULCAN SINEWS STRETCH AND STRAIN--- THERE IS THE SOUND OF TORTURED METAL AND...
SPLANG!
DONE!! NOW-- TO GET OUT BEFORE IT'S TOO LATE...
BOLTS OF ELECTRICITY CRACKLE ABOUT THE ROBOT'S HUGE FORM AS IT CRASHES TO THE GROUND...
IT APPEARS I MADE THE PROPER CHOICE...
YE DID IT, MR. SPOCK!
YOUR ENTHUSIASM IS UNWARRANTED MR. SCOTT! UNDER THE CIRCUMSTANCES, IT WAS THE ONLY LOGICAL CHANCE TO SAVE OUR LIVES!
WELL, THAT WAS A COMPLIMENT, SPOCK... BUT WHAT I WANT TO KNOW IS WHY THE SCEPTRE WOULDN'T WORK WHEN I TRIED IT! IS THERE A SECRET WAY TO OPERATE IT OR...
I'M AFRAID, CAPTAIN-- THAT THERE IS FAR MORE TO ALL THIS THAN THAT!

NONE OF WHAT WE'VE EXPERIENCED IS THE LEAST BIT LOGICAL! WHY FOR EXAMPLE DID A ROBOT--A PRODUCT OF SCIENCE--GUARD A MAGICAL SCEPTRE?
THE ANSWERS HAVE TO BE SOMEWHERE BACK AT CHANG'S CASTLE! SO THAT'S WHERE WE'RE GOING!
STRANGE CAPN THAT BEAM OF LIGHT RISIN' FROM CHANG'S PALACE WHAT PURPOSE CANNA SERVE?
I'M NOT SURE SCOTTY --BUT IF IT DOES WHAT I THINK IT DOES WE'RE IN TERRIBLE TROUBLE!
OVERPOWERING THE GUARDS, THE BAND QUICKLY SCALES THE RAMPARTS AND...
AHH CAPTAIN KIRK! I'VE BEEN EXPECTING... WHY, BRAND--IS IT YOU? IT'S BEEN SUCH A LONG TIME! HOW'S THE REVOLUTION BUSINESS?
CHANG--WE'RE BACK FOR SOME ANSWERS!
HOLD YOUR TONGUE, CHANG! I'LL...
BUT AS THE WARRIOR CHARGES FORWARD...
GALLOPING GALAXIES... HE'S BEEN TURNED INTO A TOAD!
REALLY-- HAVEN'T YOU LEARNED BETTER BY NOW?

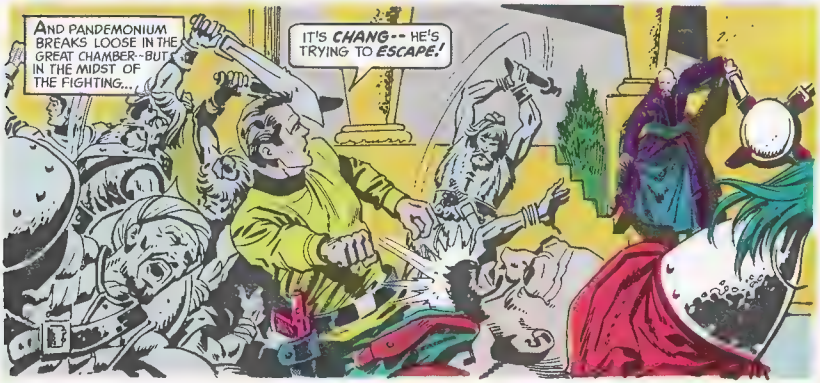
AND THE SAME FATE AWAITS ANYONE ELSE WHO RAISES A HAND AGAINST ME!
BUT WHY? WHAT'S THE PURPOSE OF THIS MACHINE? WHAT ARE YOU DOING?
ISN'T IT OBVIOUS, CAPTAIN? MY TRACTOR BEAMS ARE PULLING DOWN YOUR ENTERPRISE--DRAWING IT TO EARTH! ONCE THE VAST RESOURCES OF THAT GALAXY-SPANNING CRAFT ARE UNDER MY CONTROL, NOTHING IN THE UNIVERSE WILL BE ABLE TO STAND AGAINST ME!
MY EMPIRE WILL COVER THE STARS! ALL WILL...
CHANG! YOU'VE GOT TO STOP! THE ENTERPRISE WASN'T DESIGNED TO LAND ON A PLANET! IF YOU PULL IT DOWN INTO THE ATMOSPHERE, IT WILL BURN UP--DISINTEGRATE!
COME NOW, CAPTAIN--YOU DON'T REALLY EXPECT ME TO BELIEVE...
WE'VE LEARNED TO EXPECT NOTHING FROM YOUR KIND, CHANG --ONLY TREACHERY AND DECEIT! YOU MUST BE STOPPED!
I GAVE YOU CREDIT FOR MORE INTELLIGENCE, SPOCK! BUT ORDER MUST BE MAINTAINED... SO IT'S YOUR TURN TO DIE!

WHA...? SPOCK'S W-WALKING *RIGHT THROUGH* THE THING!
BUT *HOW?* I DON'T UNDERSTAND!

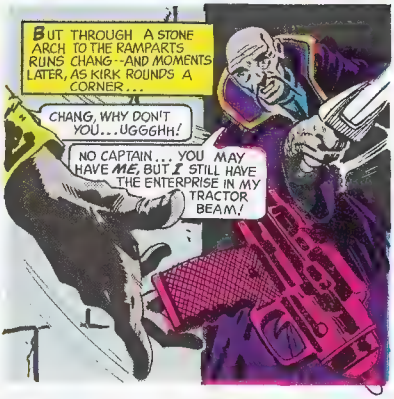

IT'S QUITE *SIMPLE*, CAPTAIN--CHANG IS A *FRAUD*--A FAKE! EVERYTHING WE'VE SEEN AND EXPERIENCED ON OUR QUEST--THE GIANTS --THE SWORD--THE ROBOTS--THE WAR WITH XANDU--WERE ONLY *ILLUSIONS!* CHANG MADE US *BELIEVE* ..IT ALL EXISTED, WHEN, IN TRUTH, IT WAS ALL IN OUR *MINDS!*

SO *THAT'S* IT! BUT *WHAT* WAS THE REASON?
IT WAS ALL A *RUSE*--A SCHEME TO GET RID OF *US*--THE *COMMAND OFFICERS* OF THE ENTERPRISE--LONG ENOUGH FOR CHANG TO *TAKE OVER* THE SHIP...AND WITH HIS ILLUSIONARY POWERS, IT WOULD HAVE BEEN SIMPLE, INDEED!

100% ACCURATE, SPOCK--BUT NONE OF YOU WILL LIVE LONG ENOUGH TO TELL THE TALE!
ATTACK, MEN--*DESTROY THEM!!*

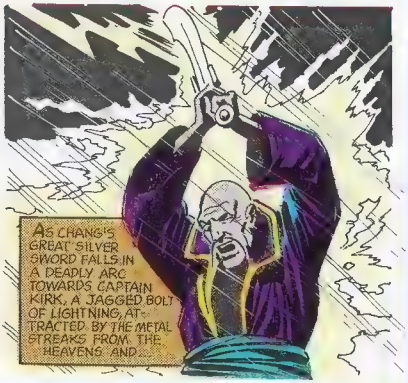

AND PANDEMONIUM BREAKS LOOSE IN THE GREAT CHAMBER--BUT IN THE MIDST OF THE FIGHTING...
IT'S *CHANG*--HE'S TRYING TO *ESCAPE!*

THE SORCERER RACES UP THE STONE STAIRS WITH CAPTAIN KIRK IN PURSUIT...
GIVE IT UP, CHANG--THERE'S NOWHERE FOR YOU TO GO!


BUT THROUGH A STONE ARCH TO THE RAMPARTS RUNS CHANG--AND MOMENTS LATER, AS KIRK ROUNDS A CORNER...
CHANG, WHY DON'T YOU...UGGGHH!
NO CAPTAIN... YOU MAY HAVE ME, BUT I STILL HAVE THE ENTERPRISE IN MY TRACTOR BEAM!

AND BEFORE I'M FINISHED, I'LL HAVE THE SATISFACTION OF WATCHING EVERY MAN AND WOMAN ABOARD IT BURN UP IN THE ATMOSPHERE!

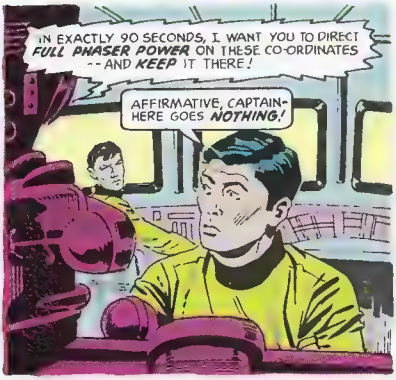
IT SHOULD BE QUITE A SIGHT...TOO BAD YOU WON'T BE HERE TO SEE IT!


AS CHANG'S GREAT SILVER SWORD FALLS IN A DEADLY ARC TOWARDS CAPTAIN KIRK, A JAGGED BOLT OF LIGHTNING, ATTRACTED BY THE METAL STREAKS FROM THE HEAVENS AND...

HE'S DEAD..ELECTROCUTED! IF ONLY I STILL HAVE TIME TO SAVE THE ENTERPRISE!

AND MOMENTS LATER...
IT'S NO USE, CAPTAIN--WE CANNOT DESTROY CHANG'S TRACTOR DEVICE!
I WAS AFRAID OF THAT! IT SEEMS WE HAVE NO ALTERNATIVE --CLEAR THE CASTLE IMMEDIATELY... AND PRAY WE CAN CONTACT THE SHIP!

FOR SEVERAL DESPERATE MINUTES, KIRK SHOUTS INTO HIS COMMUNICATOR, GETTING ONLY STATIC IN REPLY, UNTIL...
KKZZZTT.. CAPTAIN? CAPTAIN, IS THAT YOU? WE'VE BEEN TRYING TO REACH YOU FOR HOURS! SOME TERRIBLE FORCE HAS HOLD OF THE SHIP!
I KNOW, MR SULU--NOW LISTEN CLOSELY! WE HAVE ONLY ONE CHANCE TO SAVE YOU!


IN EXACTLY 90 SECONDS, I WANT YOU TO DIRECT FULL PHASER POWER ON THESE CO-ORDINATES --AND KEEP IT THERE!
AFFIRMATIVE, CAPTAIN- HERE GOES NOTHING!

TWIN GOLDEN BEAMS FALL FROM THE SKY, BATHING THE GROTESQUE GARRISON IN AN EERIE GLOW
IF THIS DOES NOT WORK, CAPTAIN - THERE IS NO HOPE FOR THE ENTERPRISE!
WHY DON'T YOU SAVE YOUR BREATH FOR PRAYING, SPOCK?

UNTIL FINALLY...
IT WORKED, JIM! THE CASTLE IS FINISHED!
BUT WHAT ABOUT THE SHIP?

SULU? MR. SULU, CAN YOU HEAR ME? WHAT'S HAPPENED UP THERE?
THE PRESSURE IS GONE, CAPTAIN-- EVERYTHING IS JUST FINE!
THANK THE STARS!
NO, MR. SCOTT-- THANK THE PHASER BANKS!

AND LATER, AS THE ENTERPRISE ARCS OFF TOWARDS THE VELVET VOID OF SPACE...
WELL, JIM--BRAND HAS HIS PEACEFUL PLANET AGAIN! I ONLY HOPE THERE ARE NO OTHER CHANGS WAITING TO STRIKE!
SO DO I, BONES!

OF COURSE, CAPTAIN, THE IRONY IS THAT CHANG WITH ALL HIS GENIUS HAD THE POTENTIAL TO CONSTRUCT A SPACE SHIP ON HIS OWN! IF ONLY HE HAD THE PATIENCE TO WAIT UNTIL HE COULD DO SO, HE MIGHT WELL HAVE CONQUERED THE GALAXIES!

I KNOW, SPOCK, BUT CHANG'S SECRETS DIED WITH HIM... AND FOR ALL OUR SAKES, LET'S HOPE THEY STAY THAT WAY!

STAR TREK RIDDLE~ME~REE

My first is in space, but it is not in Spock,

My second's in neutron, but not in lock.

My third is in Scotty, the chief engineer,

My fourth is in James, Captain Kirk knows no fear.

My fifth's not in planet, but it's in afar,

My sixth's in Pluto, but alas, not in star.

My seventh's in geiger, the counter measures radiation,

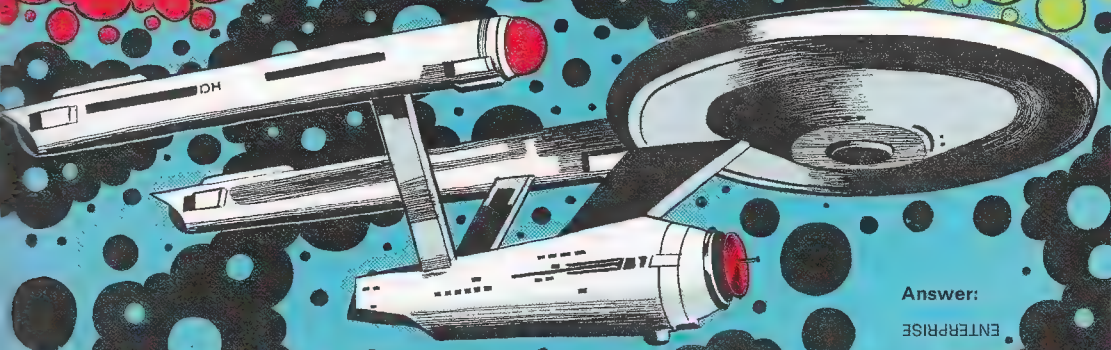
My eighth is in orbit, watched by every space station.

My ninth is in scientists and it's also in space,

My tenth is in rendezvous to which two spaceships race.

My whole is a spaceship which is well-known to you,

Manned by Captain James Kirk and his wonderful crew.



Answer:

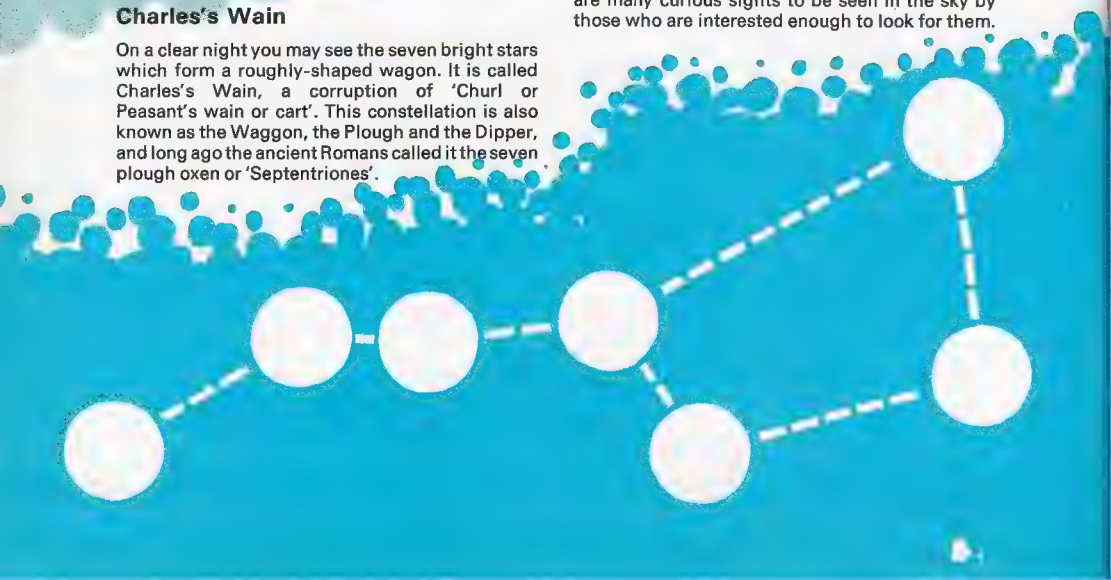
ENTERPRISE

IN THE SKY

Captain Kirk and the crew of the star ship *Enterprise* see many strange planets and people as they cruise through the galaxies, but here on the earth there are many curious sights to be seen in the sky by those who are interested enough to look for them.

Charles's Wain

On a clear night you may see the seven bright stars which form a roughly-shaped wagon. It is called Charles's Wain, a corruption of 'Churl or Peasant's wain or cart'. This constellation is also known as the Waggon, the Plough and the Dipper, and long ago the ancient Romans called it the seven plough oxen or 'Septentriones'.

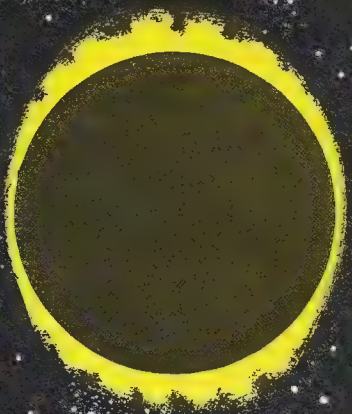


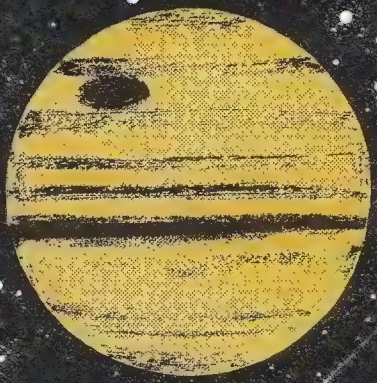
Baily's Beads

During an eclipse the moon reduces the sun to a thin crescent which resembles a necklace of beads. This unusual sight is caused by the sun shining through the depressions of the mountains of the moon. It gets its name from the man who first brought it to the attention of astronomers in the early 19th century.

Lucky Jupiter

Jupiter, the largest of the planets, is also believed by astronomers to be a lucky planet. Jupiter is one of the major planets that revolve around the sun, and superstition has it that a child born under the planet Jupiter will have good fortune all his life. Indeed, just to see this planet will bring good luck in the form of a small money windfall, according to country folk.





Meteors and Meteorites

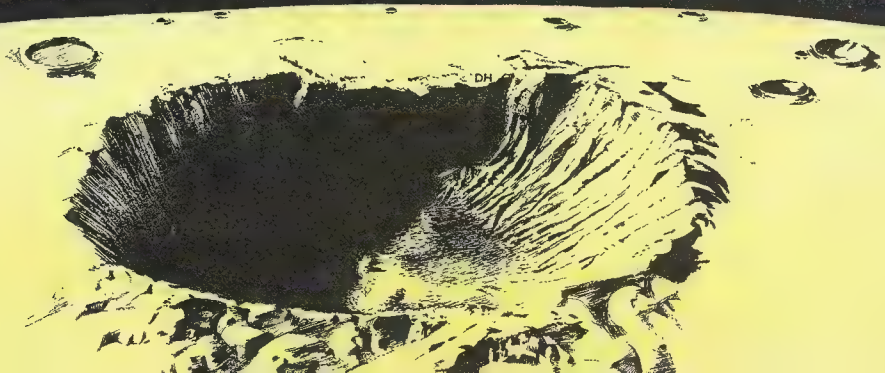
Meteorites and meteors which can be seen flashing through the skies down to earth on clear nights are still a mystery to scientists and astronomers alike.

Some fall to earth as 'shooting stars' and fall to the ground as fine dust, but others are huge and can devastate vegetation for miles around where they fall. Not only plants and trees suffer, but also people and buildings . . . so beware meteorites!

Many are shot to earth by the pull of the earth's gravity, moving at such a terrific speed that they become white hot and leave behind them a fiery tail.

On examination, scientists have found that various meteorites contain substances found already on earth such as nickel, copper and tin, and some consist entirely of stone.

Some have even contained carbon dust . . . did they once have life? Who knows?



words of space

Aphelion: That point of a planet's orbit farthest from the sun.

Binary Stars: Two stars revolving closely around each other.

Disc Star: A star located along the plane of the Milky Way.

Drogue Chute: A small parachute that opens automatically after re-entry of a spacecraft. It stabilises the fall until the main chute opens.

Gantry: A special crane or movable tower used to service launch vehicles.

Light Year: The distance travelled by light in one solar year. About six trillion miles.

Liquid Oxygen: Oxygen in liquid form, prepared by cooling the gas. Used for rocket fuel.

Main-Sequence Star: One of a class of stars that show an orderly relationship between brightness, size and temperature.

Perihelion: That point on a planet's orbit closest to the sun.

Suborbital: Type of flight in which the spacecraft enters space but doesn't go into orbit. Most suborbital flights last only about 15 minutes.

Thrusters: Small jets on a spacecraft used to control its yaw, pitch, or roll attitude.

Transit: The passage of a small celestial body across the face of a larger one.

Variable Star: One whose brightness varies periodically for reasons other than 'twinkling' due to the earth's atmosphere.

White Dwarf: A planet-sized star with great density.

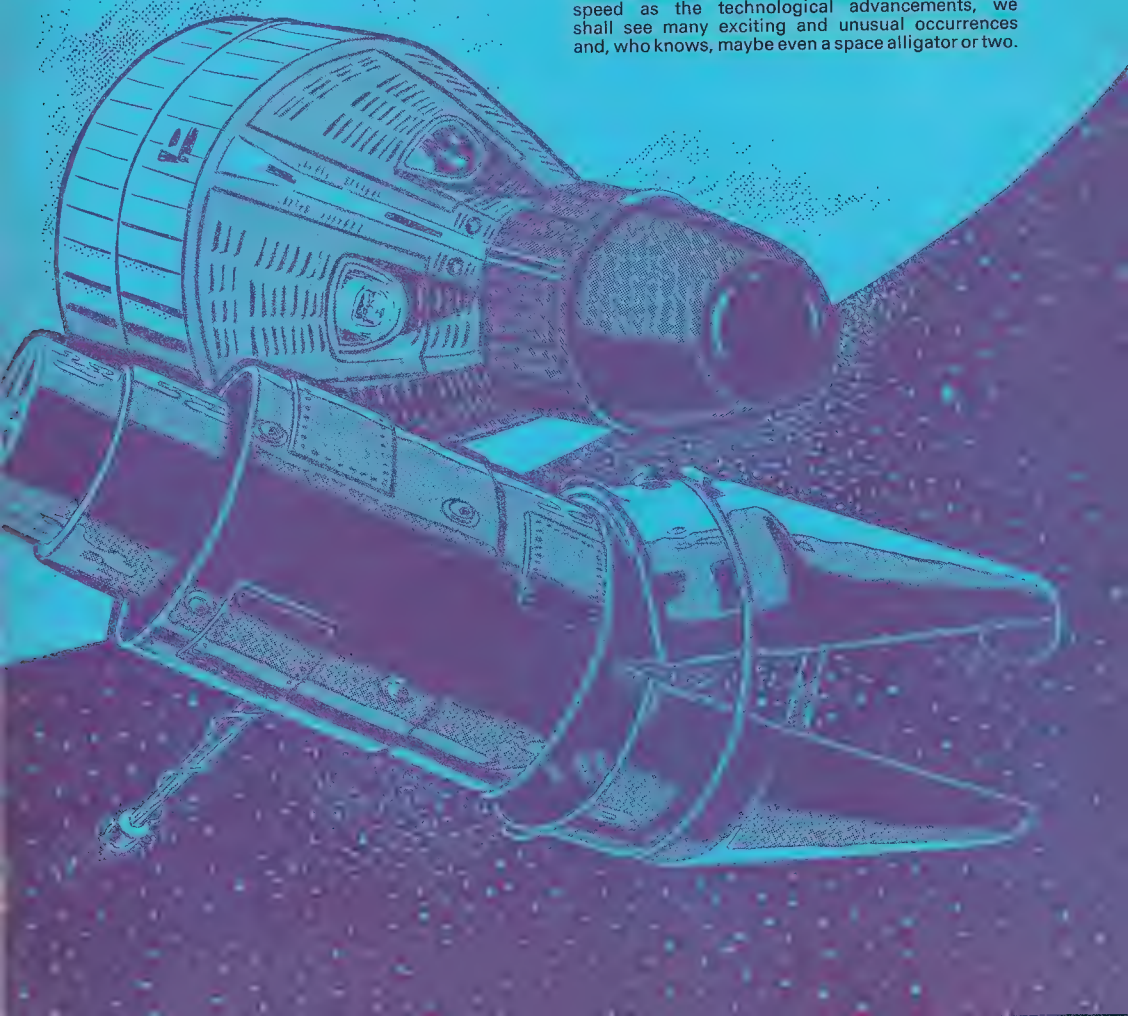
Yaw: The left-to-right motion of a rocket or spacecraft.

A SPACE NIGHTMARE!

"I saw a monster . . . an alligator, I thought. A space alligator with wide open jaws, and something like a harpoon in the side of its body." Those were the words of Commander Thomas Stafford, an American astronaut, as he described something he saw from the two-man spacecraft Gemini-9. Commander Stafford thought at first that it was an optical illusion, a space mirage; or that the sun had affected his eyes; but what he saw was no illusion, it was extremely real.

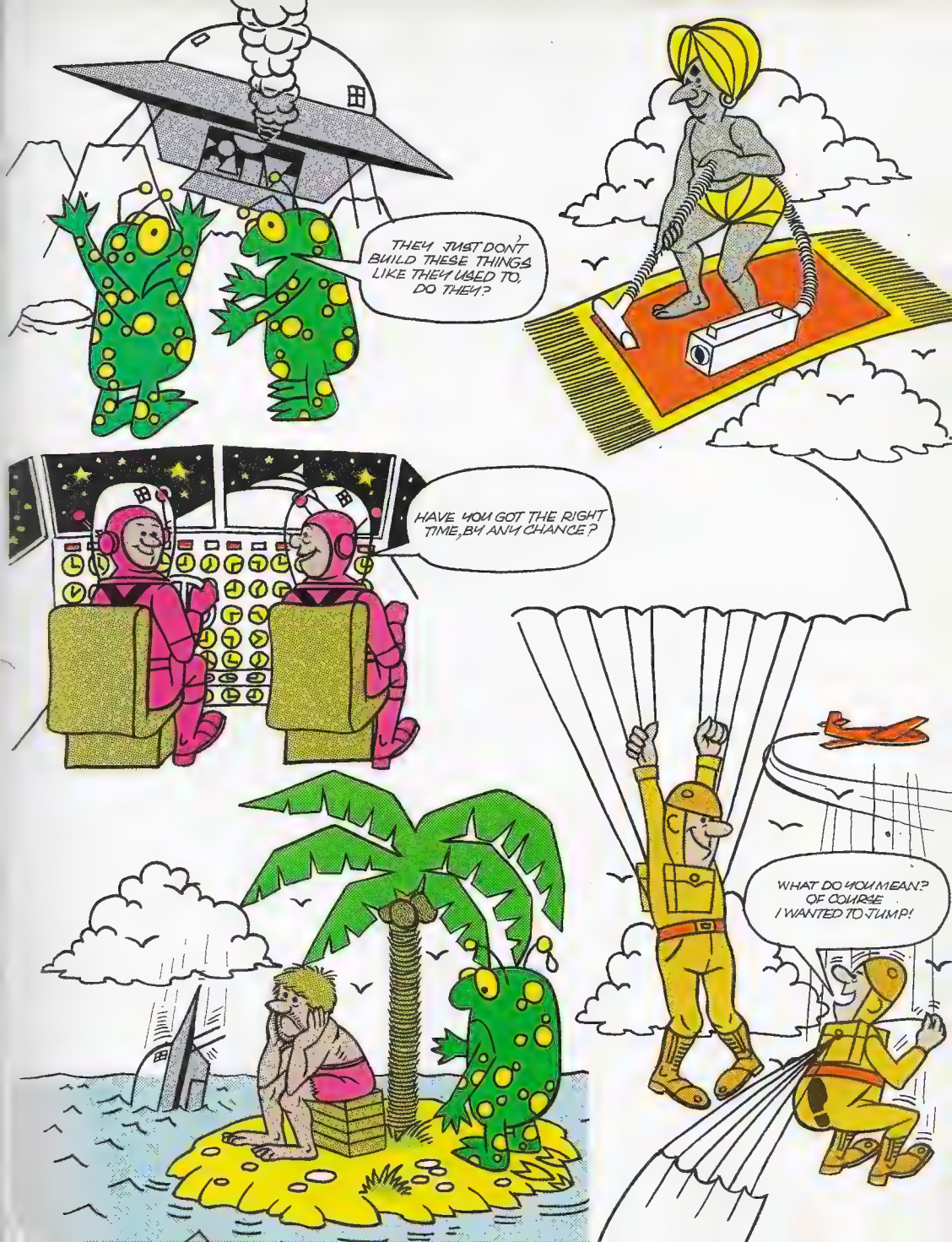
Commander Stafford's momentary fears were quickly dispelled, however, when he recognised the "monster" as the ATDA rocket that he and second Pilot Eugene Cernan were to rendezvous with, 179 miles above the earth. Its bestial appearance was due to two segments of the nose cone sticking, and as the nose-cone should have been discarded in flight, the rocket had an unfamiliar and frightening appearance.

Man is only beginning his exploration of space, and if the adventure of discovery accelerates at the same speed as the technological advancements, we shall see many exciting and unusual occurrences and, who knows, maybe even a space alligator or two.



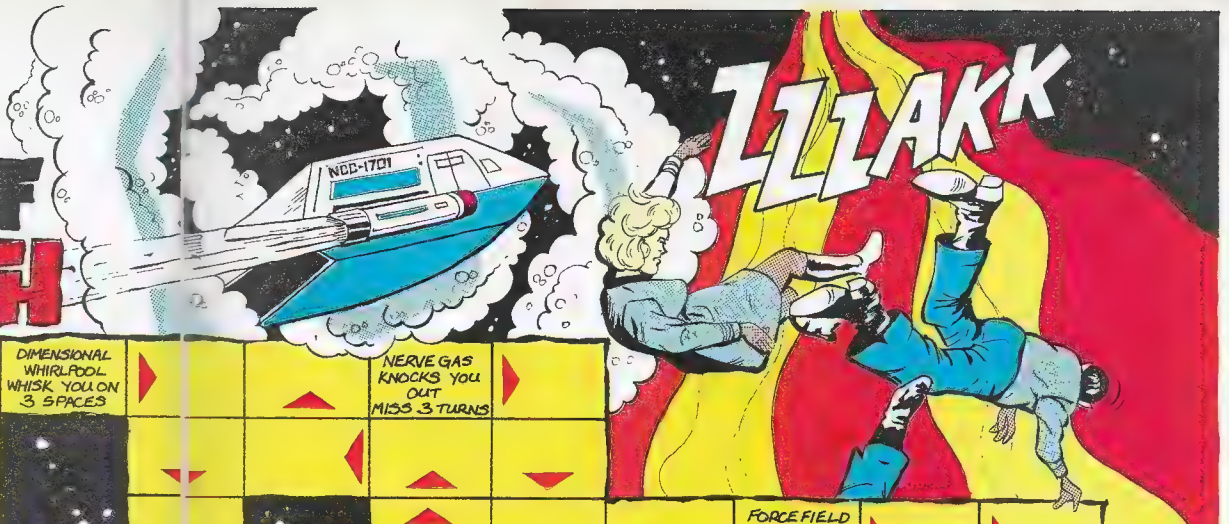
Sky-high humour!

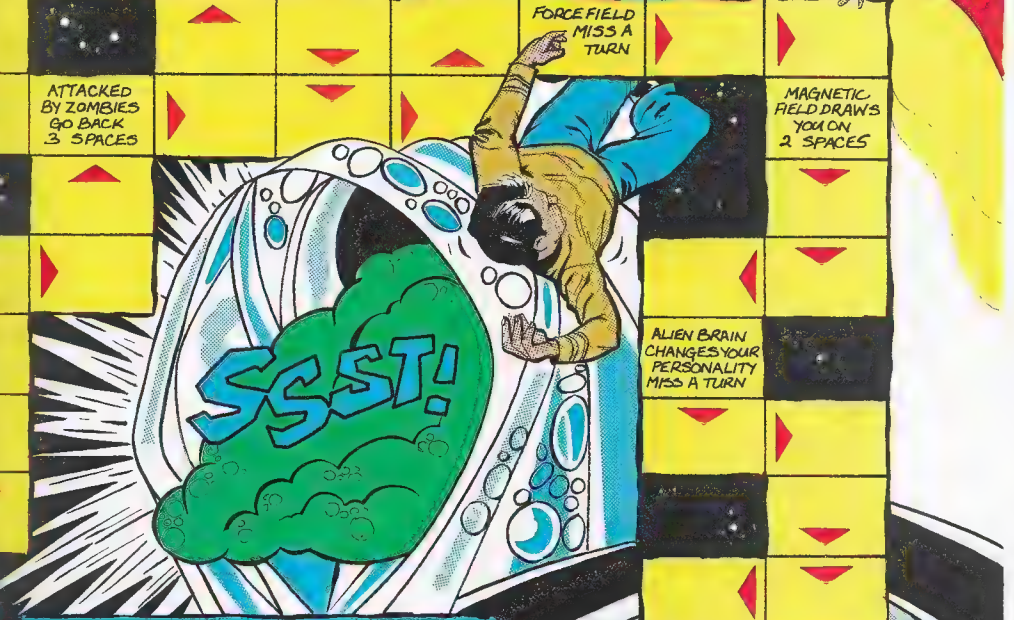
SAY, DO YOU THINK WE COULD TURN BACK ? I'VE FORGOTTEN MY~ TOOTH BRUSH!!
THESE EARTH PEOPLE MUST BE VERY TALL!
YOU NEVER KNOW IT MIGHT BE MADE OF CHEESE!
PICKLES
IT BEATS ME WHY THOSE EARTH PEOPLE THINK WE FLY AROUND IN SAUCERS
LET'S ASK HIM THE WAY
DON'T BE SILLY! HE'S ONLY A CHILD!

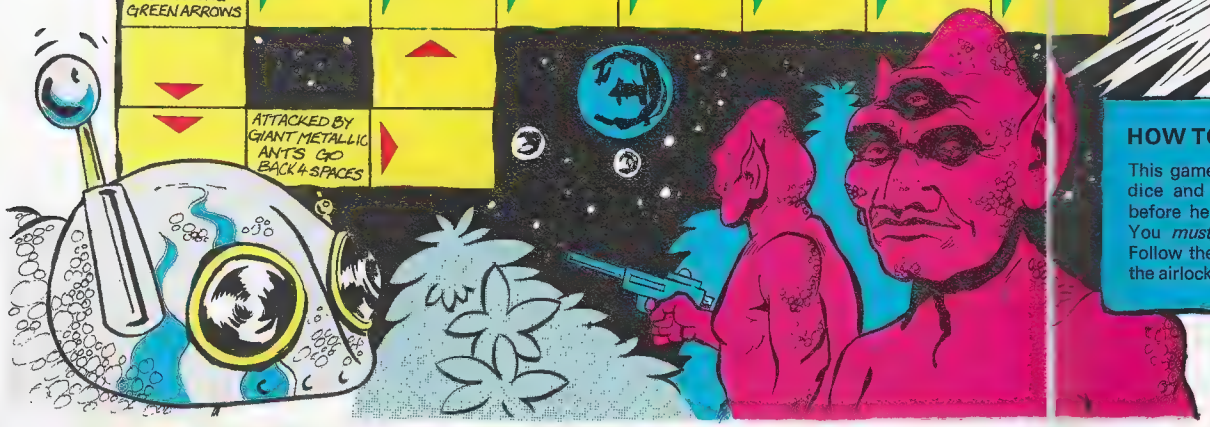

THEY JUST DON'T BUILD THESE THINGS LIKE THEY USED TO, DO THEY?
HAVE YOU GOT THE RIGHT TIME, BY ANY CHANCE?
WHAT DO YOU MEAN? OF COURSE I WANTED TO JUMP!

THE TUNNEL OF DEATH

Captain Kirk and his crew have been imprisoned by the dreaded Karmen, three-eyed alien monsters from the planet Sacro. To escape their terrible clutches, Kirk and his crew must make their way through a fearful tunnel full of terrifying monsters and hallucinating anti-matter. Once they reach the end of the tunnel they will be able to beam aboard the *Enterprise* and safety.







		GIANT SPACE SLUG IN YOUR PATH MISS A TURN		DIMENSIONAL WHIRLPOOL WHISK YOU ON 3 SPACES		NERVE GAS KNOCKS YOU OUT MISS 3 TURNS
					ATTACKED BY ZOMBIES GO BACK 3 SPACES	
		IN THE SHADOW OF A TIME WARP MISS 2 TURNS				
START....						
FOLLOW THE GREEN ARROWS FOR A SHORT CUT			SUDDEN HIGH PITCH WHISTLE STUNS YOU MISS 2 TURNS			
SECRET AIR SHAFT SHORT CUT ALONG GREEN ARROWS						
	ATTACKED BY GIANT METALLIC ANTS GO BACK 4 SPACES					

					FORCE FIELD MISS A TURN	
						MAGNETIC FIELD DRAWS YOU ON 2 SPACES
						ALIEN BRAIN CHANGES YOUR PERSONALITY MISS A TURN
						AIR LOCK THROW ONE TO WIN

HOW TO PLAY

This game is for two or more players. You need a dice and counters. Each player must throw six before he can begin his journey down the tunnel. You *must* obey the instructions on the squares. Follow the red arrows and the first person to reach the airlock and safety is the winner.

star facts

Of all the bodies in the heavens, next to our own planet, we are most interested in the sun because it provides us with heat, light and energy. The earth, however, receives only two billionths of the sun's rays; the rest are dispersed in space. So this tiny fraction of the sun's energy is all we need on Earth to maintain life.

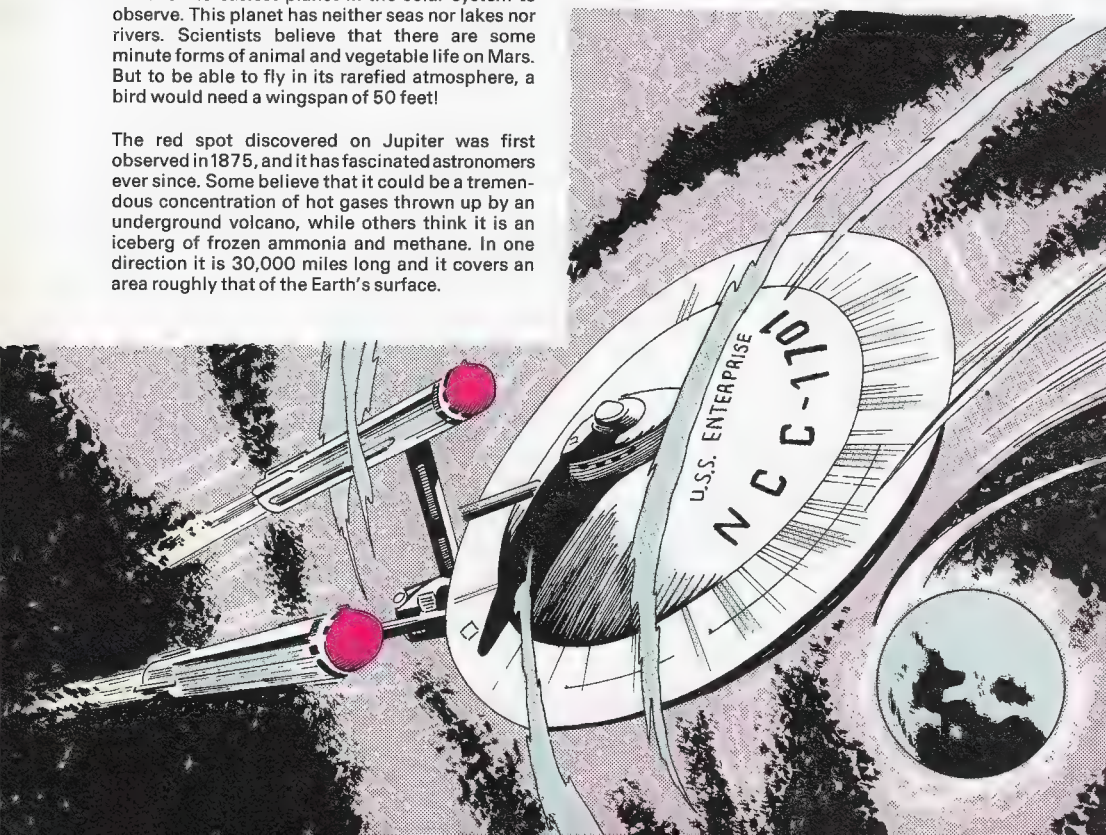
The planet Mercury, so far as we can tell, is a planet of extremes. Not only is Mercury the fastest moving, but it also has the hottest and the coldest temperatures. Its lack of atmosphere prevents the heat and cold from spreading around. The lack of water prevents the growth of food. So Mercury, which is also the smallest planet, must be nothing but a barren wasteland.

Mars is the easiest planet in the solar system to observe. This planet has neither seas nor lakes nor rivers. Scientists believe that there are some minute forms of animal and vegetable life on Mars. But to be able to fly in its rarefied atmosphere, a bird would need a wingspan of 50 feet!

The red spot discovered on Jupiter was first observed in 1875, and it has fascinated astronomers ever since. Some believe that it could be a tremendous concentration of hot gases thrown up by an underground volcano, while others think it is an iceberg of frozen ammonia and methane. In one direction it is 30,000 miles long and it covers an area roughly that of the Earth's surface.

Saturn has a volume eight hundred times as great as Earth's, but its mass is a hundred times lighter. If, instead of whirling in space, Saturn floated on an immense ocean, it would bob about on the surface like a huge rubber ball.

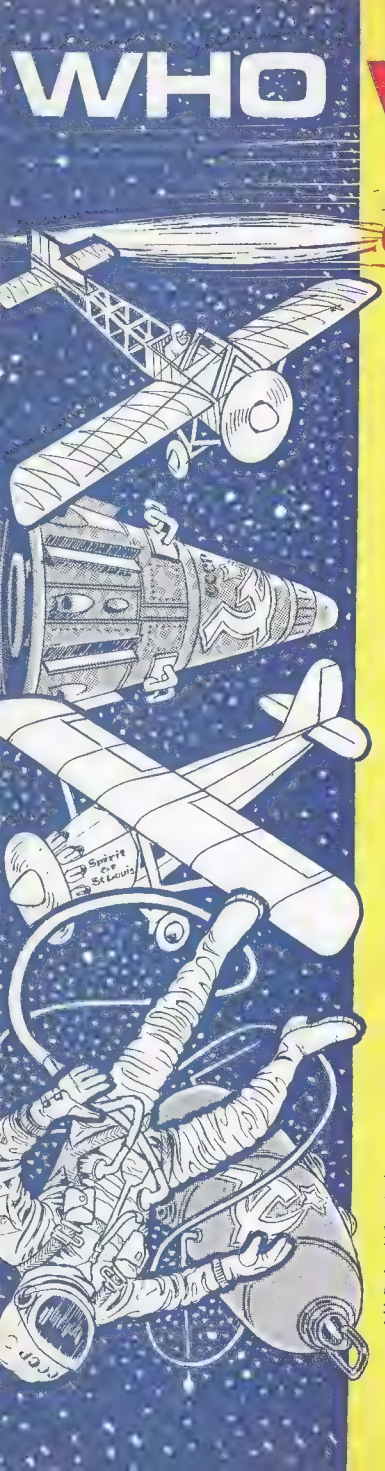
Astronomers estimate that billions of meteors reach the ground every day. Most of them, however, are no bigger than pebbles, and some are so tiny that they cannot be seen. These fragments of meteors that reach the ground are called *meteorites*. But not all meteorites are small. A block weighing a million tons once fell in Mauritania.

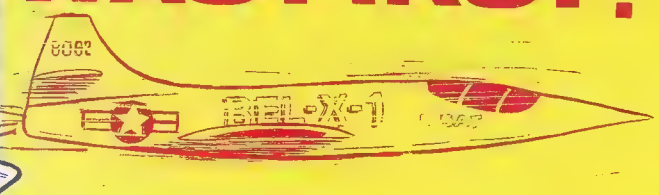


The Sky's the Limit!

IDEALLY, THEY'D HAVE SENT SOMEONE TO MEET US
OIL
HE DIDN'T HAVE AN ENEMY IN THE WHOLE WORLD.
HAVE YOU BEEN STRANDED HERE FOR LONG?

WHO WAS FIRST?





Ever since Wilbur and Orville Wright's historic breakthrough in powered flight, the daydreams and longings of thousands of years have been realised in the frantic rush for the conquest of space. We owe much to the pioneers of aviation, but how much do we know about these heroic men? Try to answer the questions set out below.

1. Who was the first man to fly the English Channel?

2. Who made the first solo flight across the Atlantic?

3. Who was the first man to fly faster than sound?

4. Who was the first man to pilot a spaceship?

5. Who was the first man to "walk" in space?

ANSWERS:

1. Louis Blériot, a Frenchman, was the first man to fly across the English Channel. He did so on 25th July 1909, despite the bad weather conditions, and his flight took him 37 minutes. Although he was thirty years old when he first became interested in flying, he was involved in fifty crashes before his death in 1936.

2. Charles Augustus Lindbergh became the first man to make a solo flight across the Atlantic Ocean when he landed his single engined *Spirit of St Louis* near Paris on 21st May 1927–33½ hours after leaving New York. His flight was greeted with tremendous enthusiasm and his book *We*, the story of his achievement, was a best-seller. In 1954, his autobiography *The Spirit of St Louis* won the Pulitzer prize.

3. Charles "Chuck" Yeager was the first man to break the sound barrier. He did so on 14th October 1947, when, as a Captain in the United States Air Force, he piloted the Bell X-1 aircraft at a speed in excess of the speed of sound (761 m.p.h. at sea-level, at a temperature of 15° C). He flew a later version of the aircraft at 1,650 m.p.h.

4. Yuri Gagarin, in the Russian spaceship Vostok-1, was the first man to go into space. He orbited the earth for 1 hour 48 minutes and reached a height of 205½ miles. His experience was intensified by the uncertainties of being the first man in space, and his successful re-entry into the earth's atmosphere was an immense step in the progress of manned flight in space. Yuri Gagarin was tragically killed whilst making a test-flight for the Russian Air Force in 1968.

5. Alexei Leonov stepped into space on 18th March 1965, to become the first man to walk in space. He was attached to the Russian spacecraft Vostok-2 by a cable and his walking took him ten minutes. Leonov's success proved that existing outside a spaceship in space, which is essential to the advancement of space travel, was now also possible.

WHICH PLANET?

As I'm sure you know, Mr Spock knows just about all there is to know about the planets in our solar system. But how much do *you* know? Test your knowledge with Mr Spock's questions below. He had devised sets of clues to help you discover the planets – score three points if you find the correct planet after one clue, two points if you discover the planet after two clues, one point if you find the answer after all three clues.

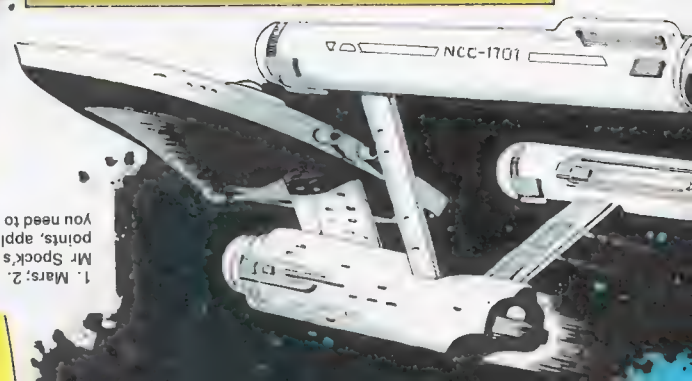
1
a) It is the third smallest planet in our solar system
b) It takes 687 days to complete its journey around the Sun
c) It is often known as the red planet

2
a) It has two satellites – Triton and Nereid
b) Through the telescope it appears as a small green disc
c) It was named after the sea god of Roman mythology

3
a) It is the most brilliant planet in our solar system
b) It has a diameter of about 7,700 miles, a little smaller than Earth
c) It was named after the Roman goddess of love

4
a) It is the seventh planet from the Sun
b) The planet was discovered by Sir William Herschel in 1781
c) It has five satellites – Miranda, Ariel, Umbriel, Titania and Oberon

5
a) It circles the Sun once every eighty eight days
b) It is the smallest planet in the solar system
c) It is the planet closest to the Sun



Answers:

1. Mars; 2. Neptune; 3. Venus; 4. Uranus; 5. Mercury.
Mr Spock's verdict: if you scored between 11 and 15 points, apply for a post on the *Enterprise*! Below that, you need to study the planets more.

McCoy's Meteorites

Captain Kirk noticed that Dr McCoy was spending a lot of time in the library of the *Enterprise,* and one day he decided to find out what was interesting the doctor so much. He found Bones engrossed in a huge old book.

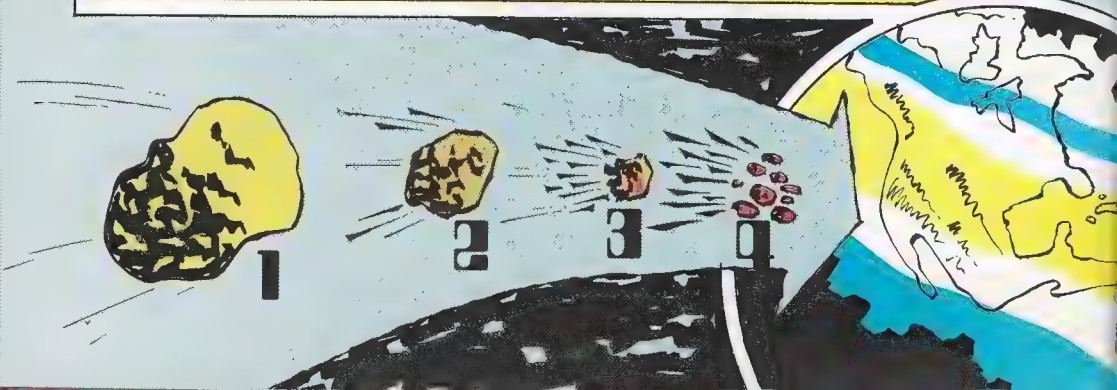
"Boning up on your medical techniques?" he asked.

"No," said McCoy. "I came across this fascinating old book the other day. It's all about meteorites – here, take a look."

Here are some of the things the captain read:

A meteor is simply a piece of metallic or stony material which enters the Earth's atmosphere from outer space. In ancient times meteors were called *shooting* or *falling stars,* because they look just like stars falling from the sky. Because they travel to Earth at very high speeds, friction with the air makes them hot, so hot that they glow with a brilliant light, which is why people used to think of them as stars.

Usually, meteors burn up before they reach the Earth, the air friction heating them to a temperature of more than 2000°C. The heat breaks the meteors into fragments, and they usually burn out at an altitude of about forty miles above the Earth's surface. Meteors which don't burn up like this fall to Earth, and are known as meteorites.



Most of the meteorites which reach Earth are no larger than a grain of sand, but it has been estimated that 200 million visible meteors enter the Earth's atmosphere every day. It is thought that the Earth gains more than one hundred tons in weight every day – all from falling meteorites!

Meteorites sometimes explode when they strike the Earth or its atmosphere, making a sound that can be heard for miles. The largest meteor to fall in modern times was the Tunguska meteorite, which appeared over Siberia in 1908 as a huge fireball. It exploded before it reached the ground, and was seen from more than one hundred miles away by peasants, who said that it was brighter than the Sun. It sounded like loud thunder-claps, and its blast was felt fifty miles away. It set fire to a forest beneath it, burning a path one mile wide and twenty miles long, and wiping out a herd of 1,500 reindeer. The fire spread until something like 80 million trees were destroyed. It is estimated that the original weight of the meteor was about 40,000 tons!

Robert E Peary, the Arctic explorer, transported a huge meteorite from western Greenland to America in 1897. It weighs more than thirty-six tons, and is now the property of the Hayden Planetarium, New York.

There is evidence that huge meteorites weighing more than a quarter of a million tons have fallen to Earth. The great Meteorite Crater in Arizona is 570 feet deep. It measures nearly a mile in diameter, and is thought to have been made by a meteorite which fell to Earth thousands of years ago. The meteorite buried itself 1,330 feet below the floor of the crater, and probably measured about twenty yards in diameter when it fell. The force of the explosion was so great that 300 million tons of rock was shifted, one single piece weighing 7,000 tons. A piece of rock ten feet thick was discovered more than half a mile away.

The largest existing meteorite is at Hoba in south-west Africa. It weighs about sixty metric tonnes.

The largest meteorite ever found in Britain fell over Ireland in 1813 and weighs 65 pounds.

The Williamette meteorite was found in 1902 in the Williamette Valley in Oregon in the United States. It weighs more than 15 tons, and has been pitted by rust, and by friction with the Earth's atmosphere.

In the 1950s scientists discovered a 400-mile wide depression on the eastern shore of Canada's Hudson Bay. It is thought that it may be the world's largest meteorite crater.

What's the Weather like up there?

The chances of any of you going on a trip to another planet are extremely slight, but, just in case you do, here is a weather report so that you know what to expect.

The nearest, and most likely place to visit is our own moon, but you will find that the climate is very airless; you will be subjected to solar winds carrying tiny particles of dust, and because there is no atmosphere to protect you, the X-rays and ultra-violet light from the sun will strike you at full force.

If you feel a bit more adventurous 'springtime on Mars' might sound rather attractive; but don t be fooled. Even in spring, when the ice caps that cover much of the planet recede, the temperature is still very cold, and the extreme dryness and lack of oxygen would make your stay an uncomfortable one.

You would be even more uncomfortable on Venus, however. This planet's surface is literally red-hot, making walking difficult, and as if that isn't enough, the whole planet is surrounded by clouds of ice!

Finally, you may have thought that Jupiter would be a good place to visit, but if you do go, be prepared for snow and rain. So what, you might say, but this snow and rain is liquid ammonia droplets and crystals, so make sure that you take a good umbrella!

Sulu's double U word quiz

Sulu's name contains two Us and he has devised a quiz in which the answer to each question contains the letter U as the first and third letter. The first question is easy, if you are a *Star Trek* fan, but some of the others are a little harder. Are you clever enough to answer them all?

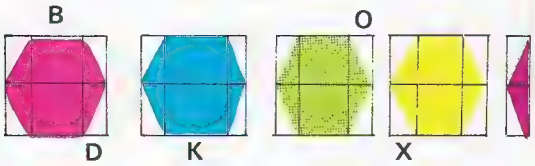
1. Lieutenant U U is the communications officer of the *Enterprise*.
2. The U U is the American black vulture.
3. A four-stringed Hawaiian guitar is a U U .
4. To hoot or howl is to U U .
5. Something habitual or common is U U .
6. The name of a wild bull known in ancient Roman times is U U .
7. To seize power wrongly is to U U .
8. One who lends money at a great interest is a U U .
9. The hanging fleshy part of the back of the throat is the U U .

Answers

1. Uhura. 2. Urubu. 3. Ukulele. 4. Ululate. 5. Usual. 6. Urus. 7. Usurp. 8. Usurer. 9. Uvula.

'CALLING CAPTAIN KIRK'

The Starship Enterprise has received a coded message from the Controller of the planet Venn. Normally Lieutenant Uhura would decode it, but this one is strictly secret, and for the eyes of Captain James Kirk only. Given the basis of the code, can you work out the message?



ANSWER:

KEEP AWAY!
THERE IS A DEADLY PLAGUE ON THIS PLANET. DO NOT TRANSPORT ANY MEMBERS OF YOUR CREW DOWN HERE OR THEY WILL DIE. PLEASE GO FOR HELP.

STAR TREK
THE PSYCHOCRYSTALS
AN INNOCENT SCIENTIFIC EXPEDITION BECOMES A SUBTERRANEAN NIGHTMARE WHEN CAPTAIN KIRK AND THE CREW OF THE ENTERPRISE FIND THEMSELVES RACING AGAINST THE CLOCK OF THEIR OWN EXECUTIONS!
EEEEYYYAAAAAAK.!
GREAT MOONS OF MARS-- WE'RE TRAPPED ON A WORLD OF POETS AND HARP PLAYERS WITH WEAPONS NO BETTER THAN TOOTHPICKS AGAINST A BEAST LIKE -- THAT!

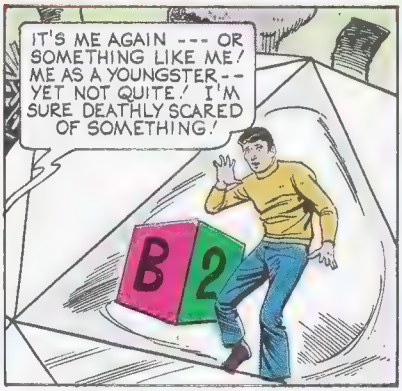
CAPTAIN'S LOG: STAR DATE 19:27.4. ON ROUTINE MINERAL AND BIOLOGICAL SURVEY OF SPACE SECTOR 179, SUB-SECTOR 23-C..
--AND RADIO SPECTRO-ANALYSIS SHOWS PLANET ALPHA 23-C TO BE LOW IN BASE METALS BUT---
--HIGH IN SOME OF THE RARE MINERALS USEFUL IN OUR TECHNOLOGY!
AWW, COME ON, MON! WOULDYA' MIND TRANSLATIN' THAT FOR US COMMON FOLK?
I MEAN THERE ARE INDICATIONS OF COMPLICATED CRYSTALS WHICH MIGHT PROVE PARTICULARLY VALUABLE IN BOTH RESEARCH AND INDUSTRY!
THERE, THAT'S BETTER! SEE, YOU CAN SPEAK THE LANGUAGE WHEN YOU TRY, MR. SPOCK!
MIGHT AS WELL START OUR TOPOGRAPHICAL SURVEY RIGHT NOW! I'LL WANT SCOTTY AND YOU WITH ME, BONES!
RIGHT, CAPTAIN! LOOKS LIKE YOU GET TO MIND THE STORE AGAIN, MR SPOCK!
THEN, AS THEY PREPARE TO BEAM DOWN TO THE UNKNOWN WORLD..
THERE ARE NO LIFE-FORMS AS WE KNOW THEM! BUT CAUTION IS ALWAYS MOST LOGICAL!
WE WON'T INVITE TROUBLE, MR. SPOCK! BUT THANKS FOR YOUR CONCERN!

ONE SECOND LATER, ON THE BARREN SPACE BODY . . . .
HOOT, MON! I'M THAT WOOZEY! HEADACHE -- NAUSEA! NEVER FELT THAT BEFORE!
YOU'RE RIGHT, SCOTTY! YOU OUGHT TO INSPECT THE TRANSPORTER WHEN WE GET BACK --
--- OR ONE OF THESE TRIPS, WE'RE GOING TO WIND UP WEARING A NOSE FOR A KNEECAP!
SEE THAT YOU DO, SCOTTY --
--- I DON'T RELISH THE IDEA OF BEING SCRAMBLED BY A MAL-FUNCTIONING TRANSPORTER!
SINCE THE AIR IS BREATHABLE, HOW COME THE PLACE IS BARREN OF LIFE, CAPTAIN?
IT TAKES MORE THAN OXYGEN TO SUPPORT LIFE! CARBON, NITROGEN AND SO FORTH!
ALL RIGHT, HANG CLOSE TOGETHER AND KEEP ALERT!
CAUTIOUSLY, THEY MAKE THEIR WAY ACROSS THE INHOSPITABLE LANDSCAPE UNTIL . . . .
WE'LL SPLIT HERE FOR THE MOMENT! YOU'RE THE BEST "ROCK-EATER", SCOTTY, SO YOU CLIMB THE PLATEAU!
BONES, YOU TAKE THE LEFT PATH AROUND THE PLATEAU AND I'LL TAKE THE RIGHT! WE ALL MEET ON THE OTHER SIDE!
ROGER, CAPTAIN! GOOD LUCK TO US ALL!

"YOU'RE THE BEST 'ROCK-EATER', SCOTTY -- SO YOU CLIMB THE PLATEAU!"
SOMETIMES I WISH I DIDN'T HAVE THAT MUCH GOAT IN ME!
WELL, WILLYA' LOOK AT THEM BEAUTIES! WORTH THE TRIP IN THEMSELVES! I KNOW A LITTLE LADY ON JUPITER COLONY-5 WHO'D LOVE A NECKLACE OF 'EM!
I'LL CHOP A SAMPLE FOR THE SURVEY --- AND A HANDFUL-OF-GLITTER FOR MISS JUPITER-5!
BUT, BEFORE SCOTTY CAN BRING THE PICK DOWN..
CRR-ZZZZ!
EYYYY-AAAAA!
GREAT MOONS OF MARS! THAT THING "FIRED" AT ME!

SLOWLY, SCOTTY MOVES CLOSER . . .
I CAN SEE SOMETHING-- SOMETHING LIKE A PICTURE -- ON THIS FACET! BLURRY, BUT ---
-BEGINNIN' TO CLEAR!
IT IS A PICTURE! IT'S GASP! -A SCOTTISH HIGHLANDER! BUT HOW -- ON THIS LIFE-FORSAKEN PLANET?
THEN, AS THE IMAGE CLEARS . . .
GREAT STARS! IT--IT--IT--IT IT'S--ME!!
WELL, A WEE PART OF ME, ANYWAY! THE PART THAT WANTS TO RIDE OFF ON MY HORSE--IN ALL DIRECTIONS! "SCOTTY, THE HERO!" HAR!
IT'S BLURRIN' UP AGAIN! BUT WHAT THE DEUCE DOES IT MEAN?
IT FAIR GIVES ME THE--WILLIES!

THEN, ONLY HALF-THINKING, SCOTTY MOVES AROUND TO THE NEXT GIANT FACET...
THERE'S A PICTURE FORMING ON THIS ONE, TOO!


IT'S ME AGAIN --- OR SOMETHING LIKE ME! ME AS A YOUNGSTER-- YET NOT QUITE! I'M SURE DEATHLY SCARED OF SOMETHING!
B 2

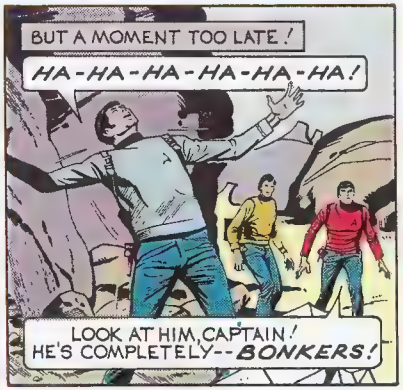
IT'S SOME KIND OF GIANT BIRD --- LIKE A GREAT EAGLE OR A CONDOR!

IT'S NOT A BIRD--IT'S A WITCH! A REAL CHILDHOOD FEAR!

IT'S NOT ME AS A KID I'M SEEING! IT'S THAT PART OF ME THAT NEVER GREW UP-- THAT STILL TWITCHES AT ---
"--THINGS THAT GO BUMP IN THE NIGHT!"

ASTOUNDED, EVEN A BIT FRIGHTENED, SCOTTY MOVES ALMOST HYPNOTICALLY ON . . . .
AND THAT'S THE DARK SIDE OF US ALL --- THE PART OF ME I DON'T EVEN TRUST MYSELF! LIKE ONE OF THOSE 20TH.CENTURY SECRET AGENT FELLOWS!
THE MAGNET OF SELF-REVELATION DRAWS HIM ON FROM FACET TO FACET!
ME AS A CAREFREE CHUMP . . .
2+1=?
. . . A DEVIL . . .
. . . A FOOL!
THE FLASHES OF INSIGHT WHIZZ PAST HIM IN STAGGERING BRILLIANCE UNTIL..
AYYAAAAAA!
MEANWHILE . . . .
FASCINATING LOOKING! MIGHT BE ONE OF THOSE SOPHISTICATED MINERALS SPOCK SUSPECTED WAS HERE! I'LL CHIP SOME ---
AYYAAAAAA!
SCOTTY! IN TROUBLE!

UNCONSCIOUS OF THE DANGER HE HIMSELF HAS JUST AVERTED, KIRK DASHES UP THE TREACHEROUS PLATEAU WALL . . . .
SCOTTY! ALIVE OR --- ?
SWIFTLY, KIRK ROUSES MR. SCOTT FROM HIS MINI-COMA . . . .
WHAT 'S GOING O--
--OH! IT'S YOU, CAPTAIN. THE CRYSTAL, MON! DON'T LOOK IN IT! THAT THING CAN-- KILL!
SCOTT QUICKLY RECOUNTS THE EXPERIENCE . . . .
--AND THEY REVEAL DIFFERENT ASPECTS OF YOUR PERSONALITY? THEY PROBE YOUR MIND?
RIGHT! I'VE BEEN PSYCHO-ANALYSED BY A ROCK!
I WAS LUCKY TO PASS OUT! I TELL YOU, IF I HADN'T, THAT THING WOULD HAVE KILLED ME-- OR DRIVEN ME INSANE!
AND THOSE THINGS ARE SCATTERED ALL OVER THIS PLANET! COME ON --
--WE'VE GOT TO FIND BONES BEFORE HE STUMBLES ON TO ONE OF THESE THINGS!


BUT A MOMENT TOO LATE!
HA-HA-HA-HA-HA-HA!
LOOK AT HIM, CAPTAIN! HE'S COMPLETELY--BONKERS!

INSTANTLY, CAPTAIN KIRK WHIRLS THE MANIACAL BONES AROUND AND . . .
WHAPPPP!
WHO DO YOU THINK YOU'RE--OWWUFF!

SECONDS LATER, A CALMER DR. McCOY RISES FROM THE GROUND . . .
WHEW! THAT WAS A CLOSE ONE! THOSE CRYSTALS ARE INSIDIOUS!
YES! THEY'LL FASCINATE SPOCK!
THEY SHOULD! HE'S A SORT OF INTELLIGENT ROCK, HIMSELF!

THEN, AS THE STRANGE TRIPLE MOON RISES . .
ALL RIGHT, STAY AWAY FROM THE CRYSTALS UNTIL WE UNDERSTAND THEM BETTER! NOW LET'S GET SOME SLEEP!
WE'VE STILL GOT A LOT OF GROUND TO COVER!

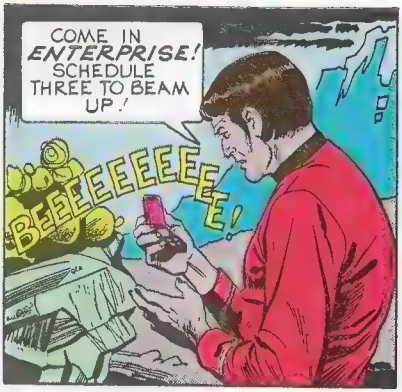
THEN, IN THE MID-NIGHT . . .
WHA-A-A-A--?!

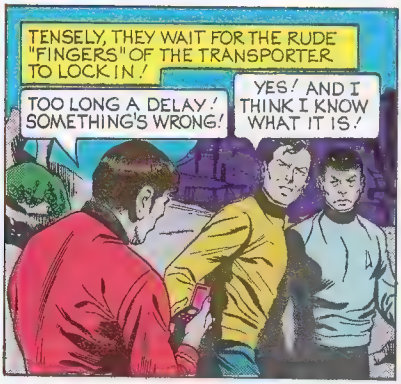
QUIT FAKING IT, MR. SCOTT! I SAW YOU MOVE! CAUGHT YOU, DIDN'T I, YOU TRAITOROUS RAT?!

WHA-A-A-A?!
DON'T PLAY GAMES WITH ME! YOU WERE TRYING TO KILL ME IN MY SLEEP! OH! I'VE SEEN IT IN YOUR EYES FOR MONTHS!
YOU HATE ME! YOU'RE JEALOUS OF ME, BECAUSE I'M THE COMMANDER! WELL, YOU WON'T KILL ME!
ARRRGH! H-H-HELP! McCOY! THE SKIPPER IS--STRANGLIN' ME!
EVEN IN HIS HALF-SLEEP, THE DOCTOR QUICKLY REACTS..
CAPTAIN KIRK--POSSESSED BY SOMETHING! GONE MAD!
A NARCO-PELLET WILL PUT HIM OUT!
PWOOF!
UGGGGGH!
MY GUESS IS THE SAME CRYSTALS THAT ATTACKED US WITH THE PSYCHOLOGICAL IMAGES --
--ASSAULTED THE CAPTAIN WITH RAYS OF PARANOIA! MADE HIM BELIEVE THAT YOU WERE TRYING TO KILL HIM!
I AWOKE, CONVINCED I'D SEEN YOU STANDING OVER ME WITH A WEAPON! THE SUSPICION AND HATRED! I COULD HAVE KILLED YOU, EASILY!
I BELIEVE YA'! IN FACT, MY WINDPIPES ARE STILL BURNIN' FROM YOUR "CARESS"!

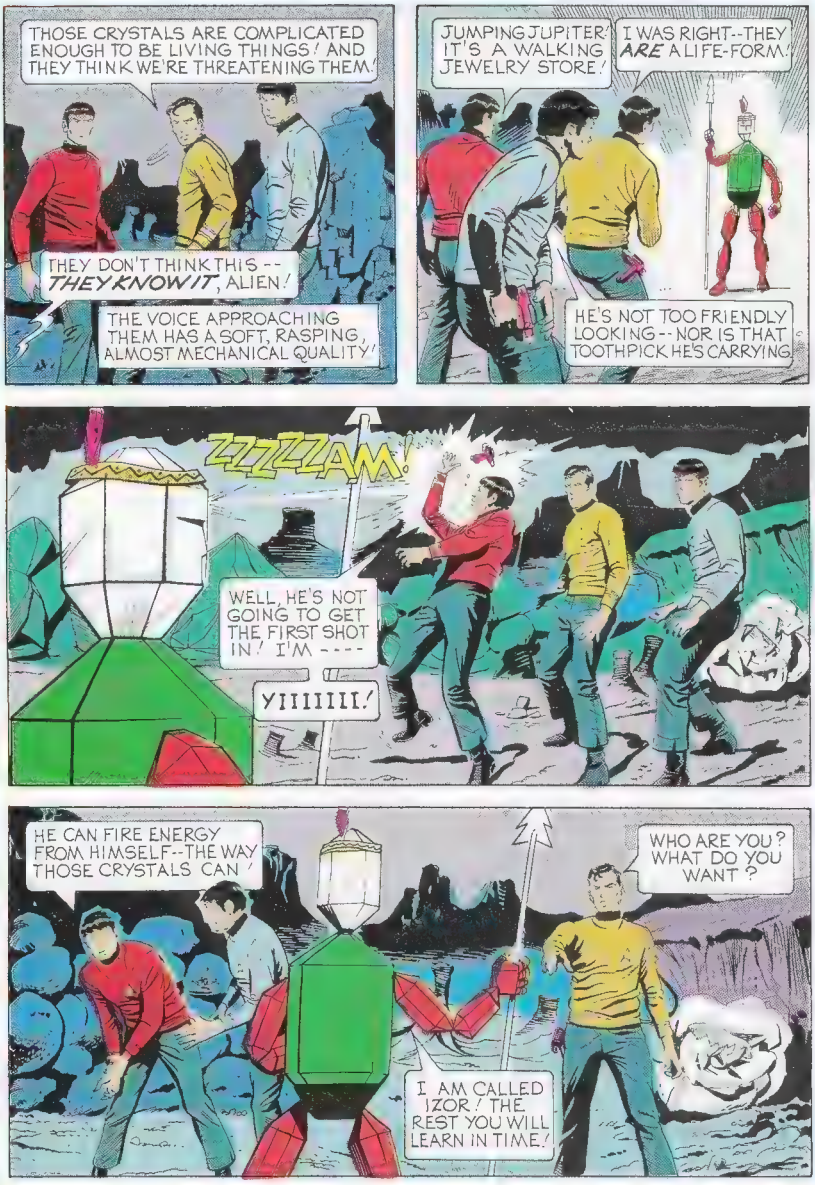
THAT K-O PELLET WILL LEAVE YOU WOOZEY FOR A WHILE! SORRY! BUT THAT EVENS THE SCORE FOR THAT PUNCH YOU GAVE ME!
EHH ?

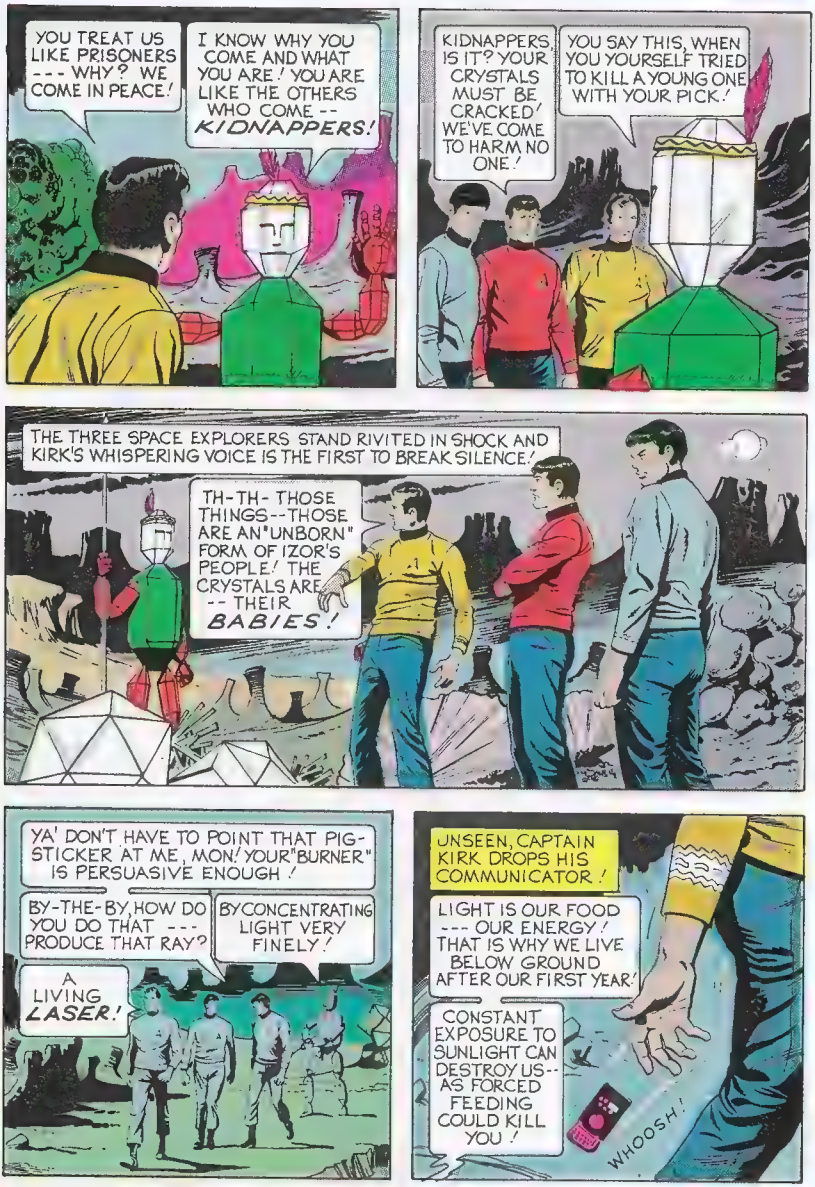
SUDDENLY, KIRK PULLS HIMSELF FROM A HEAVY STRAND OF THOUGHT . . . .
WE'RE NOT PROPERLY PREPARED TO TACKLE THIS WILD PLANET! WE'LL RETURN TO THE SHIP FOR REINFORCEMENTS AND HEAVIER EQUIPMENT!
GOOD NOTION! I'LL RADIO MR. SPOCK TO "PULL US IN"!


COME IN ENTERPRISE! SCHEDULE THREE TO BEAM UP!
BEEEEEEEEEE!


TENSELY, THEY WAIT FOR THE RUDE "FINGERS" OF THE TRANSPORTER TO LOCK IN!
TOO LONG A DELAY! SOMETHING'S WRONG!
YES! AND I THINK I KNOW WHAT IT IS!

HELLO, MR. SPOCK! DO YOU READ ME? COME IN, ENTERPRISE!
THOSE CRYSTALS -- THEY'RE JAMMING OUR SIGNALS! WE'VE BEEN CUT OFF FROM OUR SHIP!


THOSE CRYSTALS ARE COMPLICATED ENOUGH TO BE LIVING THINGS! AND THEY THINK WE'RE THREATENING THEM!
THEY DON'T THINK THIS -- THEY KNOW IT, ALIEN!
THE VOICE APPROACHING THEM HAS A SOFT, RASPING, ALMOST MECHANICAL QUALITY!
JUMPING JUPITER! IT'S A WALKING JEWELRY STORE!
I WAS RIGHT--THEY ARE A LIFE-FORM!
HE'S NOT TOO FRIENDLY LOOKING -- NOR IS THAT TOOTHPICK HE'S CARRYING
ZZZZZAM!
WELL, HE'S NOT GOING TO GET THE FIRST SHOT IN! I'M ----
YIIIIIII!
HE CAN FIRE ENERGY FROM HIMSELF--THE WAY THOSE CRYSTALS CAN!
WHO ARE YOU? WHAT DO YOU WANT?
I AM CALLED IZOR! THE REST YOU WILL LEARN IN TIME!


YOU TREAT US LIKE PRISONERS --- WHY? WE COME IN PEACE!
I KNOW WHY YOU COME AND WHAT YOU ARE! YOU ARE LIKE THE OTHERS WHO COME -- KIDNAPPERS!
KIDNAPPERS, IS IT? YOUR CRYSTALS MUST BE CRACKED! WE'VE COME TO HARM NO ONE!
YOU SAY THIS, WHEN YOU YOURSELF TRIED TO KILL A YOUNG ONE WITH YOUR PICK!
THE THREE SPACE EXPLORERS STAND RIVITED IN SHOCK AND KIRK'S WHISPERING VOICE IS THE FIRST TO BREAK SILENCE!
TH-TH- THOSE THINGS--THOSE ARE AN "UNBORN" FORM OF IZOR'S PEOPLE! THE CRYSTALS ARE -- THEIR BABIES!
YA' DON'T HAVE TO POINT THAT PIG-STICKER AT ME, MON! YOUR "BURNER" IS PERSUASIVE ENOUGH!
BY-THE-BY, HOW DO YOU DO THAT --- PRODUCE THAT RAY?
BY CONCENTRATING LIGHT VERY FINELY!
A LIVING LASER!
UNSEEN, CAPTAIN KIRK DROPS HIS COMMUNICATOR!
LIGHT IS OUR FOOD --- OUR ENERGY! THAT IS WHY WE LIVE BELOW GROUND AFTER OUR FIRST YEAR!
CONSTANT EXPOSURE TO SUNLIGHT CAN DESTROY US -- AS FORCED FEEDING COULD KILL YOU!
WHOOSH!

Space and Spacemen Spell Spock

S is for Supersonic, Stage and Satellite

Supersonic is the phrase in aerodynamics which deals with speeds above the speed of sound.

Stage is one or more rockets combined to form a launch vehicle.

Types of satellites include meteorological or weather satellites, navigation, military and scientific satellites.

P is for Propellants

These are active chemicals, either in solid or liquid form which are used to give impetus and thrust to rockets and missiles.

O is for Orbit

This is the path of a planet or artificial satellite.

C is for Capsule and Cosmonaut

A capsule is a manned spacecraft or a small package of instruments carried by a larger spacecraft.

Cosmonaut is another word for a space pilot.

K is for Kirk and his crew

James Kirk is the captain of the *Enterprise* space ship, and his crew includes Mr. Spock himself, a Vulcan; Bones McCoy, the ship's doctor; Lt. Uhura, a woman space communications officer; Scotty, the chief space engineer, and Sulu, the navigator of the space ship.

The UNIVERSE as you won't see it!

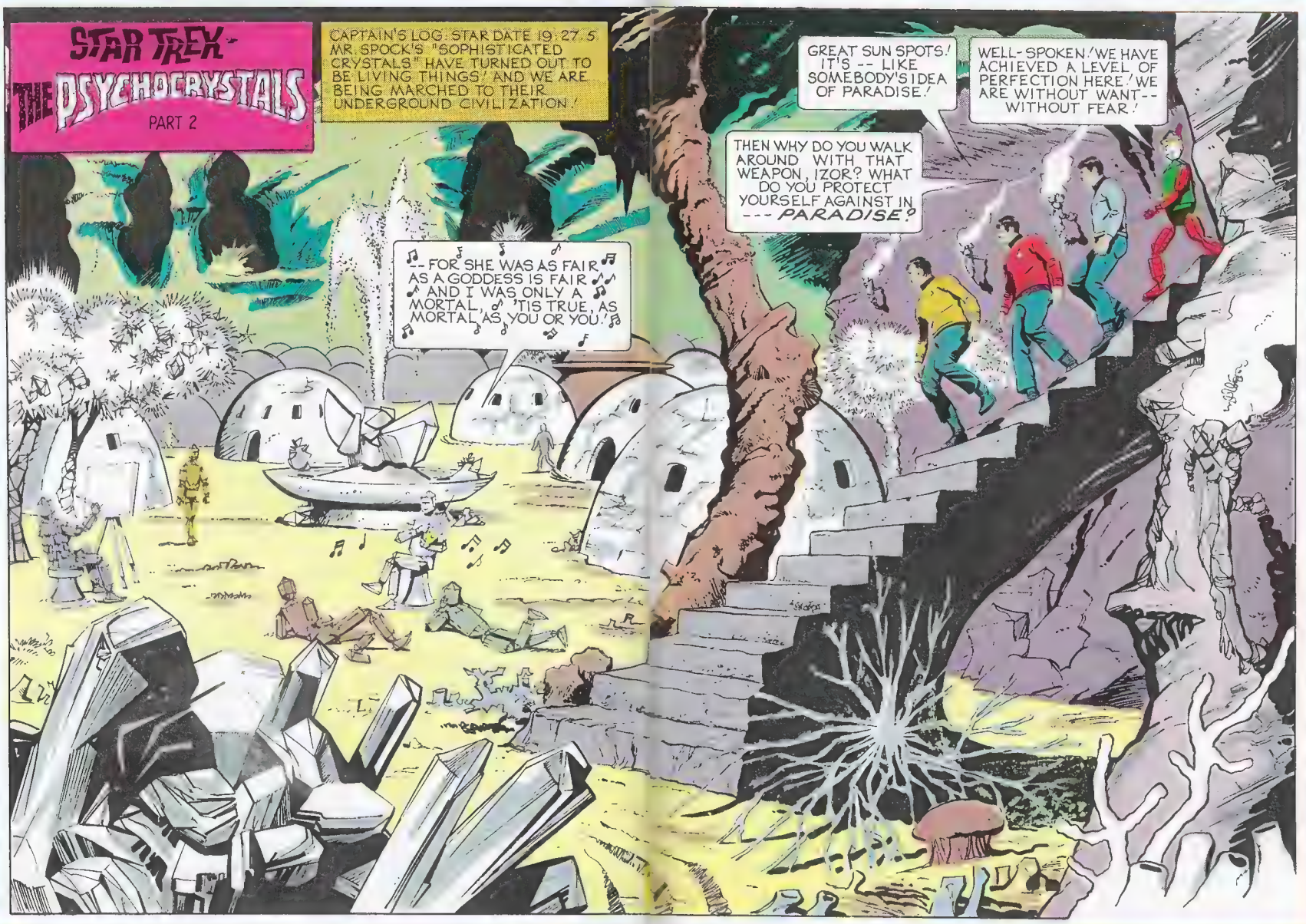
Throughout history, Man has tried to solve the mystery of the universe, and he has come up with many interesting theories over the centuries, some totally wrong, and others very near what we now regard as a true picture of the solar system, with the sun at the centre, and the nine planets round it.

The first known attempt to explain the sun, moon and stars was made by the Sumerians, 3,000 years B.C. They assumed that the earth was flat, that it was surrounded by sea, and that the sky was in fact a *tin roof,* under which the heavenly bodies floated. The movement of these bodies was thought to be controlled by the gods.

A similar theory was held by the Greek philosopher, Thales, in the 6th century B.C. He believed that water was the source of all matter, and that the earth had emerged from the eternal water on which it now floated as a flat disc. The heavens, therefore, must have been made of evaporated water, containing the sun, moon and stars, and the whole thing was covered with a huge hemisphere of water.

If Thales was preoccupied with water, his compatriot, Anaximander, was concerned with fire. He thought that the universe began with a sphere of fire, which contained a cold, wet mass, from which it was separated by a layer of mist. The mass became the earth, the mist was the atmosphere, and the fiery layer became the light of the heavenly bodies.

Finally, the Egyptians had their own ideas about the universe. They believed that it was surrounded by the sky goddess, Nut, who swallowed the sun each evening, and returned it in the morning. The sun was carried on its journey across the sky by a heavenly boat.

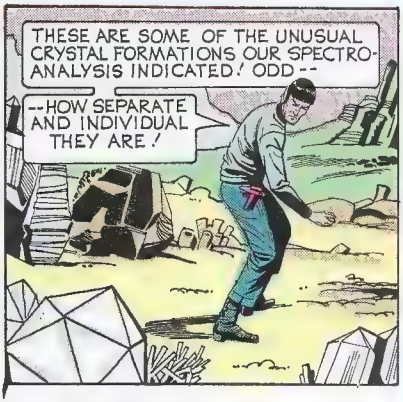

STAR TREK-
THE PSYCHOCRYSTALS
PART 2
CAPTAIN'S LOG. STAR DATE 19.27.5. MR. SPOCK'S "SOPHISTICATED CRYSTALS" HAVE TURNED OUT TO BE LIVING THINGS! AND WE ARE BEING MARCHED TO THEIR UNDERGROUND CIVILIZATION!
--FOR SHE WAS AS FAIR AS A GODDESS IS FAIR AND I WAS ONLY A MORTAL, 'TIS TRUE, AS MORTAL AS YOU OR YOU!
GREAT SUN SPOTS! IT'S -- LIKE SOMEBODY'S IDEA OF PARADISE!
WELL-SPOKEN! WE HAVE ACHIEVED A LEVEL OF PERFECTION HERE! WE ARE WITHOUT WANT-- WITHOUT FEAR!
THEN WHY DO YOU WALK AROUND WITH THAT WEAPON, IZOR? WHAT DO YOU PROTECT YOURSELF AGAINST IN --- PARADISE?

WOULD YA' LOOK AT THAT? HE'S HANDING HER A BOWL OF FIRE AND--SHE LIKES IT!
HE TOLD US THEY FED ON LIGHT! HER BOY-FRIEND'S BROUGHT HER A SEVEN-LAYER CAKE!
WRONG! IT WAS SOME DOG FOOD HE BROUGHT HOME! SORRY IF THAT SPOILS YOUR ROMANTIC NOTION, DOCTOR!
WHERE ARE YOU TAKING US?
TO SEE THE PRESIDENT! ONLY HE CAN DEAL WITH DEATH-PENALTY CRIMES!
SO THESE ARE THE KIDNAPPERS! FINALLY WE'VE CAUGHT THOSE WHO PREY ON OUR DEFENSELESS YOUNG!
DEFENSELESS? ONE OF THEM GAVE ME A HEAD-ACHE LIKE NOTHING BUT A PILE-DRIVER COULD!
WE ARE INNOCENT, MR. PRESIDENT! PLEASE --- LET ME EXPLAIN!

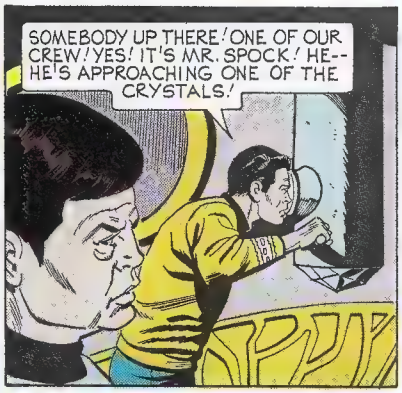
SWIFTLY, CAPTAIN KIRK OUTLINES THE PEACEFUL PURPOSES OF THEIR EXPEDITION . . . .
--A MOST INTERESTING EXPLANATION, CAPTAIN! BUT IT IS STILL A LIE!
A LIE, IS IT? I DON'T CARE IF YOU ARE THE PRESIDENT--
-- YOU'RE A FOOL IF YOU CAN'T SEE THAT WE'RE TELLING THE TRUTH!
IF YOU WERE ONE OF MY OWN PEOPLE, I COULD! WE CAN READ EACH OTHER'S MINDS! BUT YOU COME FROM A COMPLICATED --
-- AND CRAFTY CULTURE! WE DON'T UNDERSTAND HALF OF YOUR THOUGHTS, WITH ALL THEIR TECHNICAL REFERENCES!
BUT I AM SATISFIED OF YOUR GUILT AND FOR IT, YOU MUST -- DIE! GUARDS -- IMPRISON THEM!
THREE GUARDS, UNDER IZOR'S COMMAND, MARCH THEM TO A STRANGE "PRISON" . . . .
A PRISON WITHOUT BARS?
IT IS ACTUALLY A LIBRARY --
--WE HAVE NO CRIME, HENCE NO PRISONS! BUT YOU WILL BE WELL GUARDED UNTIL--
WHAT KIND OF BOOKS ARE THESE?
POETRY, ROMANCES, BOOKS OF TRAVEL. WE HAVE NO SCIENTIFIC TEXTS HERE! OUR WORLD DOES WELL WITHOUT SCIENCE AND ITS SO-CALLED "PROGRESS!"

WHY DO YOU FEEL THAT WAY ABOUT SCIENCE, IZOR?
WHAT NEED HAVE WE OF IT? THE PURPOSE OF SCIENCE IS TO MAKE BEINGS BETTER UNDERSTAND ONE ANOTHER!-- MY PEOPLE ARE BORN WITH SUCH UNDERSTANDING!
I GO NOW! BUT THE BUILDING IS WELL GUARDED! DO NOT HURRY YOUR MOMENT OF DEATH BY TRYING TO ESCAPE!
IMAGINE BEING LOCKED IN AND CONDEMNED ON A PLANET OF CRAZY POETS AND HARP PLAYERS!
TAKE IT EASY, SCOTTY! YOU SEE, I TOOK ONE SLIGHT PRECAUTION!
MEANWHILE, ON THE SURFACE ...
CRUNCH CRUNCH!
THE CAPTAIN MISSED TWO SCHEDULED RADIO CONTACTS WITH THE SHIP! BEST I HAVE A LOOK AROUND!
BUT WHERE TO BEGIN? NO FOOTPRINTS ON THIS ROCKY --
--- A HOMING BEAM FROM THE CAPTAIN! THAT WILL LEAD ME TO THEM!
BEEP!
BEEP!
BEEP!

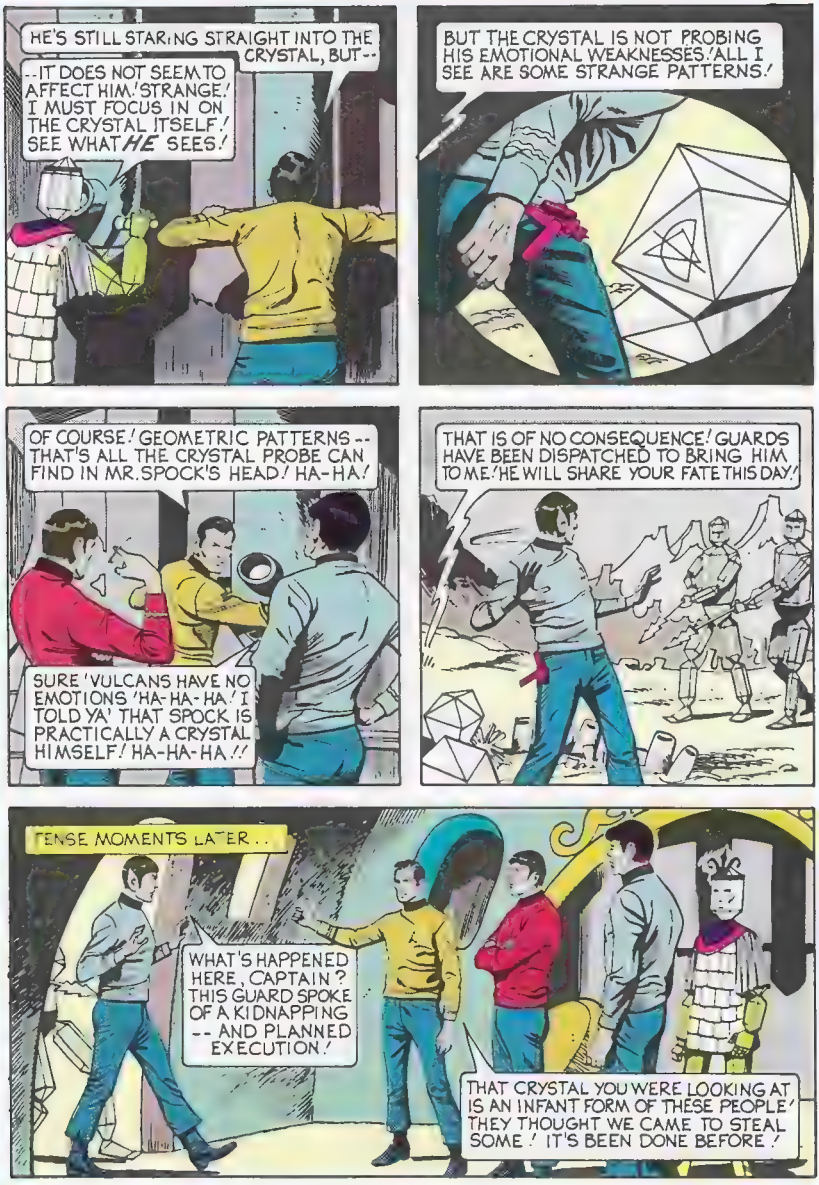
QUICKLY SPOCK CHASES DOWN THE SOURCE OF THE SIGNAL . . .
THE CAPTAIN DROPPED HIS COMMUNICATOR HERE! APPARENTLY SOMETHING JAMMED ITS SIGNALS TO THE SHIP, BUT NOT ON THE PLANET'S SURFACE!
WHICH STILL DOES NOT TELL ME WHERE THEY'VE GONE!


THESE ARE SOME OF THE UNUSUAL CRYSTAL FORMATIONS OUR SPECTRO-ANALYSIS INDICATED! ODD --
--HOW SEPARATE AND INDIVIDUAL THEY ARE!

MEANWHILE, AT A POINT NOT FAR BELOW WHERE MR. SPOCK IS STANDING . . .
-- NO, IT IS NOT THE MOMENT OF EXECUTION! BUT I THOUGHT YOU MIGHT WANT TO OBSERVE SOMETHING THROUGH OUR SURFACE VIEWERS!
PERISCOPES, EH? OBSERVE WHAT?


SOMEBODY UP THERE! ONE OF OUR CREW! YES! IT'S MR. SPOCK! HE-- HE'S APPROACHING ONE OF THE CRYSTALS!

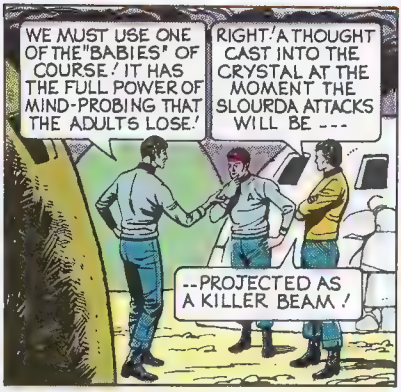
NO! DON'T STARE INTO THAT THING, MAN! OVEREXPOSURE IS -- DEADLY! GET AWAY FROM THERE!
WHAT'S THE USE? HE CAN'T HEAR ME!

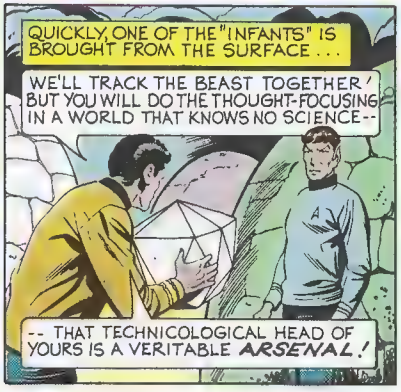

HE'S STILL STARING STRAIGHT INTO THE CRYSTAL, BUT--
--IT DOES NOT SEEM TO AFFECT HIM. STRANGE. I MUST FOCUS IN ON THE CRYSTAL ITSELF. SEE WHAT HE SEES.
BUT THE CRYSTAL IS NOT PROBING HIS EMOTIONAL WEAKNESSES. ALL I SEE ARE SOME STRANGE PATTERNS.
OF COURSE. GEOMETRIC PATTERNS -- THAT'S ALL THE CRYSTAL PROBE CAN FIND IN MR. SPOCK'S HEAD. HA-HA.
SURE. VULCANS HAVE NO EMOTIONS. HA-HA-HA. I TOLD YA. THAT SPOCK IS PRACTICALLY A CRYSTAL HIMSELF. HA-HA-HA.
THAT IS OF NO CONSEQUENCE. GUARDS HAVE BEEN DISPATCHED TO BRING HIM TO ME. HE WILL SHARE YOUR FATE THIS DAY.
TENSE MOMENTS LATER...
WHAT'S HAPPENED HERE, CAPTAIN? THIS GUARD SPOKE OF A KIDNAPPING -- AND PLANNED EXECUTION.
THAT CRYSTAL YOU WERE LOOKING AT IS AN INFANT FORM OF THESE PEOPLE. THEY THOUGHT WE CAME TO STEAL SOME. IT'S BEEN DONE BEFORE.

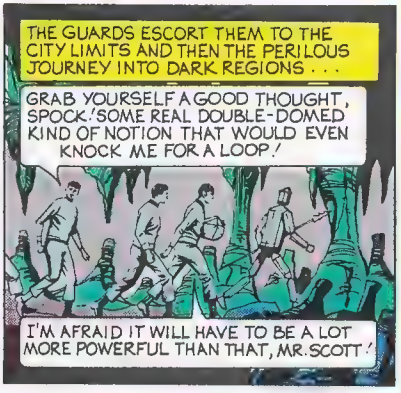
SWIFTLY, CAPTAIN KIRK FILLS THE VULCAN IN ON THE DETAILS . . .
--BUT WHY DON'T YOU JUST PROBE MY FRIENDS' MINDS AS THE CRYSTALS DID BEFORE! YOU'LL "SEE" THEIR INNOCENCE!
WE HAVEN'T SUCH POWER OF CLARITY! OUR INFANTS DO UNTIL THEY ARE OLD ENOUGH TO WALK! THEN IT QUICKLY WEAKENS!
WE HAVE TALKED TOO LONG! YOU WILL NOW BE KILLED AND YOUR BODIES LEFT ON THE SURFACE AS A WARNING TO ---
MY PRESIDENT! THE SLOURDA ALARM!
KLANG! KLANG!
MARAUDING SLOURDA! ≷GASP!≶ BROKE THROUGH OUTER DEFENSES! ≷CHOKE!≶ HEADED FOR CITY CENTER!
THE HOME GUARD! ACTIVATE THEM AT ONCE! IT MUST BE DRIVEN OUT BEFORE OTHERS FOLLOW IT!
BUT BEFORE THE ARMED CITIZENRY CAN BE FULLY ALERTED . . . .
EEEYAAAAKKK! EEYYYAAAAKK!
AYYYEEEE!
FLAMING LAKES OF ORION! IT'S A DRAGON--ALMOST! ONLY ST. GEORGE HIMSELF NEVER SAW THE LIKES OF A DRAGON LIKE THAT!

FINALLY, AS THE SHATTERED DEFENSE FORCES REGROUP . . . .
TOGETHER, NOW! LET THEM FLY WHEN I SAY ---
--FLY!
WHOOSH!
THWUSH!
WHIISH!
MORE ANNOYED THAN WOUNDED, THE CRYSTAL DRAGON TURNS AND LUMBERS BACK TO ITS DARK REGIONS!
HE'S GONE BUT THAT KIND OF ATTACK WON'T HOLD HIM OFF FOR LONG!
I DON'T UNDERSTAND WHY THEY DIDN'T FIRE THEIR NATURAL LASER BEAMS AT IT!
BECAUSE SUCH ENERGY BEAMS HAVE NOT AFFECTED THE SLOURDA FOR CENTURIES! OUR CRYSTALS COMPRESS THE LIGHT ENERGY BUT THE FOCUSING OF EACH BOLT IS DONE BY THOUGHT!
--AND, WITH TIME, THE SLOURDA LEARNED TO RESIST EVERY THOUGHT!
MOTIONING KIRK TO ONE SIDE, MR. SPOCK UNFOLDS A PLAN . . . .
THE SLOURDA HAS BUILT A KIND OF "NATURAL" IMMUNITY" TO THE THOUGHT BOLTS OF THE CRYSTAL PEOPLE! AS WE DO TO BACTERIA! BUT --
--WE OF OTHER WORLDS--WE'VE GOT A BILLION THOUGHTS THE SLOURDA NEVER ENCOUNTERED! "FOREIGN GERMS", THAT'S IT!
WE CAN PROVE OUR TRUE INTENTIONS NOW, MR. PRESIDENT! IF WE TEACH YOU HOW YOU CAN KILL THE SLOURDA ---
-- IF YOU COULD BUT GIVE US SUCH A WEAPON, WE WOULD FREE YOU! BUT IT IS THE SLOURDA WHO WILL DO THE KILLING, I FEAR!

HOW THE DEVIL DO YOU EXPECT TO PULL THIS OFF? THE CRYSTAL PEOPLE CAN CONCENTRATE LIGHT--BUT WE HAVE ONLY "ALIEN THOUGHTS"!
THE TRICK IS TO COMBINE THE TWO AT THE CRUCIAL MOMENT!

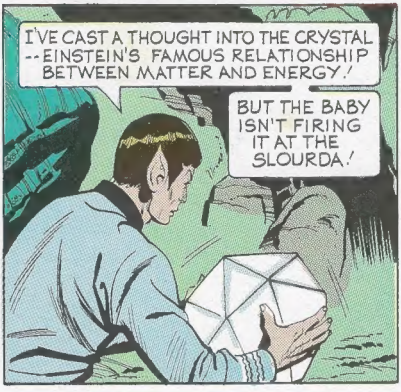

WE MUST USE ONE OF THE "BABIES" OF COURSE! IT HAS THE FULL POWER OF MIND-PROBING THAT THE ADULTS LOSE!
RIGHT! A THOUGHT CAST INTO THE CRYSTAL AT THE MOMENT THE SLOURDA ATTACKS WILL BE ---
--PROJECTED AS A KILLER BEAM!


QUICKLY, ONE OF THE "INFANTS" IS BROUGHT FROM THE SURFACE . . .
WE'LL TRACK THE BEAST TOGETHER! BUT YOU WILL DO THE THOUGHT-FOCUSING IN A WORLD THAT KNOWS NO SCIENCE--
-- THAT TECHNICOLOGICAL HEAD OF YOURS IS A VERITABLE ARSENAL!

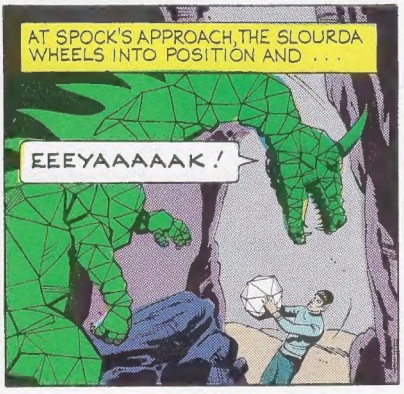

THE GUARDS ESCORT THEM TO THE CITY LIMITS AND THEN THE PERILOUS JOURNEY INTO DARK REGIONS . . .
GRAB YOURSELF A GOOD THOUGHT, SPOCK! SOME REAL DOUBLE-DOMED KIND OF NOTION THAT WOULD EVEN KNOCK ME FOR A LOOP!
I'M AFRAID IT WILL HAVE TO BE A LOT MORE POWERFUL THAN THAT, MR. SCOTT!

SUDDENLY AND WITHOUT WARNING . . .
S-S-SPEAK OF THE SLITHERIN' DEVIL!
EEEEYAAAAAK!

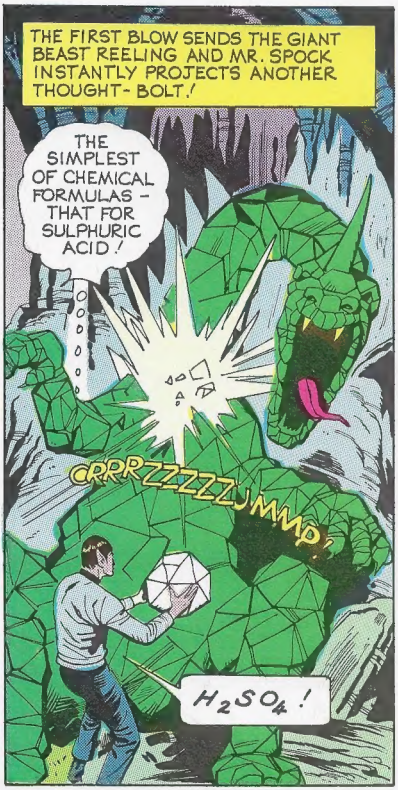
EEEEY-YAAAK!
THAT WAS A CLOSE ONE!
GET GOIN' SPOCK!
FWOOOSH!
START THROWIN' SOME OF THAT EGG-HEAD THINKING AT THE BEAST!

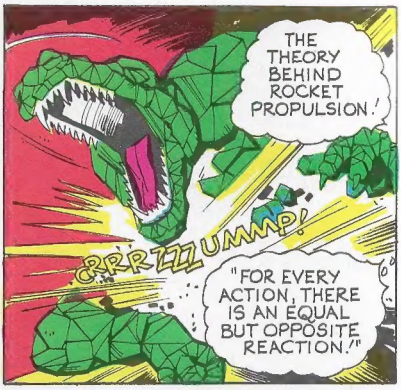

I'VE CAST A THOUGHT INTO THE CRYSTAL --EINSTEIN'S FAMOUS RELATIONSHIP BETWEEN MATTER AND ENERGY!
BUT THE BABY ISN'T FIRING IT AT THE SLOURDA!

WHAT ARE YOU DOING, SPOCK? KEEP YOUR DISTANCE, MAN!
THAT WOULD BE USELESS! THE CRYSTAL WON'T FIRE UNTIL IT FEELS FULLY ENDANGERED! I MUST MOVE IT INTO DANGER!


AT SPOCK'S APPROACH, THE SLOURDA WHEELS INTO POSITION AND . . .
EEEYAAAAAK!

THEN, AT THE VERY SECOND THE CRYSTAL DRAGON ATTACKS . . .
AAAWW-AAHHH!
CRRRZZZAMM!


THE FIRST BLOW SENDS THE GIANT BEAST REELING AND MR. SPOCK INSTANTLY PROJECTS ANOTHER THOUGHT-BOLT!
THE SIMPLEST OF CHEMICAL FORMULAS - THAT FOR SULPHURIC ACID!
OOOOOO
CRRRZZZZZZJMMP!
H_2SO_4!


THE THEORY BEHIND ROCKET PROPULSION!
CRRRZZZ UMMP!
"FOR EVERY ACTION, THERE IS AN EQUAL BUT OPPOSITE REACTION."

AND SHORTLY....
YOU HAVE DONE WELL! BUT YOU SAID YOU WOULD SHOW US HOW TO DESTROY THE SLOURDA OURSELVES!
HOW CAN WE -- UNLESS YOU LEAVE YOUR MIND WITH US?
NOT HIS MIND BUT---

-- THESE SCIENCE TEXT BOOKS AND PAPERS, ENOUGH TO TEACH YOU THE BASIC PRINCIPLES THAT WILL SET YOU FREE FOREVER!
THANK YOU, FRIENDS! PERHAPS WE HAVE LIVED TOO LONG IN OUR SIMPLE PARADISE! GOOD LUCK!

-- BUT DIDN'T YOU FEEL A LITTLE PANG ABOUT ENDING THAT INNOCENT PARADISE OF THEIRS?
NOT AT ALL! I SEE NO CHARM IN A WORLD THAT TRIES TO DESTROY KILLER DRAGONS WITH BOLTS OF POETRY AND MUSIC, CAPTAIN!

SBN 7235 0361 3

STAR TREK Annual 1977

WORLD DISTRIBUTORS